

General Disclaimer

One or more of the Following Statements may affect this Document

- This document has been reproduced from the best copy furnished by the organizational source. It is being released in the interest of making available as much information as possible.
- This document may contain data, which exceeds the sheet parameters. It was furnished in this condition by the organizational source and is the best copy available.
- This document may contain tone-on-tone or color graphs, charts and/or pictures, which have been reproduced in black and white.
- This document is paginated as submitted by the original source.
- Portions of this document are not fully legible due to the historical nature of some of the material. However, it is the best reproduction available from the original submission.

**NASA TECHNICAL
MEMORANDUM**

NASA TM X-73,219

(NASA-TM-X-73219) AERODYNAMIC
CHARACTERISTICS OF A CANARD-CONTROLLED
MISSILE AT MACH NUMBERS OF 1.5 AND 2.0.
(NASA) 289 p HC A13/EF A01

N77-30082

CSSL 01A

Unclas
41998

G3/02

NASA TM X-73,219

AERODYNAMIC CHARACTERISTICS OF A CANARD-CONTROLLED
MISSILE AT MACH NUMBERS OF 1.5 AND 2.0

Donald L. Kassner and Brian Wettlaufer

Ames Research Center
Moffett Field, California 94035

July 1977



| | | | | | |
|--|--|--|--|---|------------|
| 1. Report No. NASA TM X-73,219 | | 2. Government Accession No. | | 3. Recipient's Catalog No. | |
| 4. Title and Subtitle AERODYNAMIC CHARACTERISTICS OF A CANARD-CONTROLLED MISSILE AT MACH NUMBERS OF 1.5 AND 2.0 | | | | 5. Report Date July, 1977 | |
| | | | | 6. Performing Organization Code | |
| 7. Author(s) Donald L. Kassner and Brian Wettlaufer * | | | | 8. Performing Organization Report No. A-6957 | |
| 9. Performing Organization Name and Address NASA Ames Research Center, Moffett Field, Calif. 94035 and ARO, Inc., Moffett Field, Calif. 94035 | | | | 10. Work Unit No. 505-11-41 | |
| | | | | 11. Contract or Grant No. | |
| 12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, D.C. 20546 | | | | 13. Type of Report and Period Covered Technical Memorandum | |
| | | | | 14. Sponsoring Agency Code | |
| 15. Supplementary Notes * ARO, Inc., Moffett Field, Ca. 94035 | | | | | |
| 16. Abstract A typical missile model with nose-mounted canards and cruciform tail surfaces was tested in the Ames 6- by 6-Foot Wind Tunnel to determine the contributions of the component aerodynamic surfaces to the static aerodynamic characteristics at Mach numbers of 1.5 and 2.0 and Reynolds number of 1×10^6 , based on body diameter. Data were obtained at angles of attack ranging from -3° to 12° for various stages of model "build-up" (i.e., with and without canard and/or tail surfaces). Results were obtained both with the model unrolled and rolled 45° . For the canard and tail arrangements investigated, the model was trimmable at angles of attack up to about 10° with canard deflections of 9° . Also, the tail arrangements studied provided ample pitch stability. There were no appreciable effects of model roll orientation. | | | | | |
| 17. Key Words (Suggested by Author(s)) Canard-controlled missile Body of revolution Body-canard-tail configuration | | | | 18. Distribution Statement Unlimited STAR Category 02 | |
| 19. Security Classif. (of this report) Unclassified | | 20. Security Classif. (of this page) Unclassified | | 21. No. of Pages 288 | 22. Price* |

CONTENTS

| | Page |
|--|----------------------|
| SUMMARY | 1 |
| INTRODUCTION | 1 |
| NOMENCLATURE | 2 |
| TEST FACILITY | 4 |
| MODEL DESCRIPTION | 5 |
| TESTING AND PROCEDURE | 5 |
| DATA REDUCTION | 5 |
| RESULTS AND DISCUSSION | 6 |
| CONCLUDING REMARKS | 8 |
| REFERENCES | 8 |
| TABLES | |
| 1. Dimensions of Control Panels | 10 |
| FIGURES | |
| 1. Axis System | 11 |
| 2. Control panels sign convention | 12 |
| 3. Basic model and components | 13 |
| 4. Model photographs | 17 |
| 5. Body-alone characteristics | Data Figure Page 1 |
| 6. Body-tail characteristics, main balance and panel load summations..... | Data Figure Page 4 |
| 7. Body-canard characteristics, main balance and panel load summations | Data Figure Page 16 |
| 8. Body-canard-tail characteristics, main balance and panel load summations | Data Figure Page 100 |

AERODYNAMIC CHARACTERISTICS OF A CANARD-CONTROLLED
MISSILE AT MACH NUMBERS OF 1.5 AND 2.0

Donald L. Kassner and Brian Wettlaufer*

Ames Research Center

SUMMARY

A typical missile model with nose-mounted canards and cruciform tail surfaces was tested in the Ames 6- by 6-Foot Wind Tunnel to determine the contributions of the component aerodynamic surfaces to the static aerodynamic characteristics at Mach numbers of 1.5 and 2.0 and a Reynolds number of 1×10^6 , based on body diameter. Data were obtained at angles of attack ranging from -3° to 12° for various stages of model "build-up" (i.e., with and without canard and/or tail surfaces). Results were obtained both with the model unrolled and rolled 45° .

For the canard and tail arrangements investigated, the model was trimmable at angles of attack up to about 10° with canard deflections of 9° . Also, the tail arrangements studied provided ample pitch stability. There were no appreciable effects of model roll orientation.

INTRODUCTION

Some recent emphasis in missile technology has been in the area of developing a series of configurations with canard controls on the non-constant-diameter nose portion of the missile. The objectives have been to provide both terminal guidance and high maneuverability during the flight. Of concern is the influence of the canard-control surfaces on the missile-tail effectiveness caused by the trailing vortices from the canards. Present predictive techniques (e.g., ref. 1) have been demonstrated to be inadequate, particularly for the case of the canards located on non-constant-diameter regions of the missile (e.g., the nose). Accordingly, an extensive series of wind-tunnel tests (refs. 2-4) has been performed to provide basic experimental data to be used in developing the required improved predictive techniques.

This test addressed itself to the determination of the aerodynamic characteristics of a typical missile model with and without canards and/or tail surfaces at Mach numbers of 1.5 and 2.0. Data were obtained at angles of attack from -3° to 12° , model roll angles of 0° and 45° , and canard-deflection angles of -3° to 15° .

* Project Engineer, ARO, Inc.

NOMENCLATURE

The axis systems and sign convention are shown in Figures 1 and 2. Data are presented in the unrolled body-axis coordinate system. Because the data were computer-plotted, the corresponding plot symbol, where used, is given together with the conventional symbol.

| <u>Symbol</u> | <u>Plot Symbol</u> | <u>Definition</u> |
|----------------------|--------------------|--|
| C_A | CA | missile axial-force coefficient in unrolled body-axis system; axial force/ $S_{REF}q_\infty$ |
| C_ℓ | CBL | missile rolling-moment coefficient in unrolled body-axis system; body rolling moment/ $S_{REF}q_\infty \ell_{REF}$ |
| $C_\ell^{C(B)}$ | CRMC | rolling-moment coefficient in body-axis system for canard panels summed together |
| $C_\ell^{C(B)+T(B)}$ | CRMB | rolling-moment coefficient in body-axis system for all canard and tail panels summed together |
| $C_\ell^{T(B)}$ | CRMT | rolling-moment coefficient in body-axis system for tail panels summed together |
| C_m | CM | missile pitching-moment coefficient measured in unrolled body-axis system; pitching moment/ $S_{REF}q_\infty \ell_{REF}$ |
| $C_m^{C(B)}$ | CMC | pitching-moment coefficient in unrolled body-axis system for canard panels summed together |
| $C_m^{C(B)+T(B)}$ | CMB | pitching-moment coefficient in unrolled body-axis system for all canard and tail panels summed together |
| $C_m^{T(B)}$ | CMT | pitching-moment coefficient in unrolled body-axis system for tail panels summed together |
| C_N | CN | missile normal-force coefficient in unrolled body-axis system; body normal force/ $S_{REF}q_\infty$ |
| $C_N^{C(B)}$ | CNC | normal-force coefficient in unrolled body-axis system for canard panels summed together |
| $C_N^{C(B)+T(B)}$ | CNB | normal-force coefficient in unrolled body-axis system for all canard and tail panels summed together |

| <u>Symbol</u> | <u>Plot Symbol</u> | <u>Definition</u> |
|---------------------|--------------------|--|
| $C_{N_{T(B)}}$ | CNT | normal-force coefficient in unrolled body-axis system for tail panels summed together |
| C_n | CYM | missile yawing-moment coefficient in unrolled body-axis system; body yawing moment/ $S_{REF}q_{\infty}l_{REF}$ |
| $C_{n_{C(B)}}$ | CYMC | yawing-moment coefficient in unrolled body-axis system for canard panels summed together |
| $C_{n_{C(B)+T(B)}}$ | CYMB | yawing-moment coefficient in unrolled body-axis system for all canard and tail panels summed together |
| $C_{n_{T(B)}}$ | CYMT | yawing-moment coefficient in unrolled body-axis system for tail panels summed together |
| C_Y | CY | missile side-force coefficient in unrolled body-axis system; body side force/ $S_{REF}q_{\infty}$ |
| $C_{Y_{C(B)}}$ | CYC | side-force coefficient in unrolled body-axis system for canard panels summed together |
| $C_{Y_{C(B)+T(B)}}$ | CYB | side-force coefficient in unrolled body-axis system for all canard and tail panels summed together |
| $C_{Y_{T(B)}}$ | CYT | side-force coefficient in unrolled body-axis system for tail panels summed together |
| l_{REF} | LREF | reference length for all coefficients (missile body diameter for cylindrical portion); 12.70 cm (0.417 ft) |
| M_{∞} | MACH | free-stream Mach number |
| q_{∞} | Q | free-stream dynamic pressure |
| S_{REF} | SREF | reference area for all coefficients (cross-sectional area of cylindrical portion of center body); 126.7 cm ² (0.136 ft ²) |
| α | ALPHA | angle of attack, deg |
| ϕ_C | PHI-C | missile roll angle, deg |
| ϕ_T | PHI-T | interdigitation angle between canard and tail panels, deg |
| β | BETA | angle of sideslip, deg. |

Control Surface Code

| <u>Symbol</u> | <u>Plot Symbol</u> | <u>Definition</u> |
|----------------|--------------------|--|
| δ_{C_X} | D(X) | deflection angle of canard panel number X, (X = 1, 2, 3, 4). See figure 2. |

Configuration Code

| | | |
|----------------|----|----------------------------------|
| B | B | body |
| C ₁ | C1 | small canards (aft position) |
| C ₂ | C2 | small canards (mid position) |
| C ₃ | C3 | small canards (forward position) |
| C ₄ | C4 | large canards (mid position) |
| C ₆ | C6 | large canards (aft position) |
| C ₇ | C7 | small canards (mid position) |
| N ₁ | N1 | sharp nose |
| N ₂ | N2 | blunt nose |
| N ₃ | N3 | semiblunt nose |
| T ₁ | T1 | tail panels (aft position) |
| T ₂ | T2 | tail panels (mid position) |

TEST FACILITY

The Ames Research Center 6- by 6-Foot Wind Tunnel is a variable-pressure, continuous-flow, closed-return type facility. The nozzle leading to the test section is of the asymmetric sliding-block type which permits a continuous variation of Mach number from 0.25 to 2.3. The test section has a perforated floor and ceiling with provisions for removal of boundary-layer flow at transonic Mach numbers.

MODEL DESCRIPTION

The model and its components are shown in figure 3. The model was a sting-mounted body of revolution, 12.70 cm in diameter and 132.08 cm in length, as shown in figure 3(a). Three nose shapes were used: a pointed, three-caliber tangent ogive and two blunted, three-caliber tangent ogives, as shown in figure 3(b). The model used six sets of four canard fins and two sets of four tail fins, all with various aspect ratios, as shown in figures 3(c) and 3(d), respectively. The dimensions of the canard and tail fins are given in table 1. The locations of the canards and tails on the body are indicated in the nomenclature and figure 3(a). Each of the four canards and four tail fins had a three-component balance mounted inside the body. The four tail fins had a fixed incidence angle of 0° . Each canard had a variable incidence angle that was remotely controlled and monitored from outside the tunnel. The tail fins were rolled at angles of 0° and -45° with respect to the canards. The total model loads were measured on a 5.1-cm (2-in) six-component balance (Task MKIIIE) furnished by Ames.

Model photographs are shown in figure 4.

TESTING AND PROCEDURE

The investigation was conducted at Mach numbers of 1.5 and 2.0 and at a Reynolds number of 1×10^6 , based on body diameter. Data were obtained at angles of attack from -3° to 12° at canard incidence angles of -3° to 15° and at model roll angles of 0° and 45° . The experimental data, presented as a function of angle of attack, were obtained from pitch sweeps at a constant canard-deflection angle and constant roll angle. An angle transducer, mounted on the aft end of the model support, was used to measure the angle of attack of the model.

DATA REDUCTION

The six-component main balance forces and moments were corrected for weight tares and reduced to coefficients in the unrolled body-axis system, as shown in figure 1. The moment reference center for all body-axis coefficients was at model station 66 (one-half the length of the sharp-nosed body in figure 3(a)). All force and moment coefficients were based upon the following dimensions:

$$S_{REF} = 126.7 \text{ cm}^2 (0.136 \text{ ft}^2)$$

$$l_{REF} = 12.70 \text{ cm} (0.417 \text{ ft})$$

The three-component fin balance forces and moments for each canard

and tail panel were reduced to normal-force, pitching-moment and root bending-moment coefficients about an axis system in the plane of the fin, as shown in figure 2. These fin coefficients were then summed together in two groups, canards and tails, and reduced to coefficients in an axis system about the model centerline. They were then further reduced to coefficients about the moment reference center in the unrolled body-axis system. Coefficients were obtained for each axis system.

The angle of attack was corrected for flow angularity and sting deflections. Stream-angle corrections used to correct for flow angularity were based on data taken during the investigation.

RESULTS AND DISCUSSION

Computer-plotted data on C_N , C_m , C_A , C_Y , C_n , and C_l vs α are presented in figures 5 through 8.

Body-Along Characteristics

Body-alone characteristics for configuration BN1 are shown in figure 5 for Mach numbers of 1.5 and 2.0 and angles of attack from -3° to 12° . As in previous body-alone tests (e.g., ref. 2), C_N increases somewhat, not only with α but with increase in Mach number. The increase in C_N with increase in Mach number is, however, not large and with further increase in Mach number above about $M_\infty = 2.0$, C_N can be expected to decrease (ref. 5).

At supersonic Mach numbers, the side forces, yawing moments and rolling moments are essentially zero. This is not the case, however, at subsonic Mach numbers when α exceeds about 20° (see, for example, refs 2 and 6)

Body-Tail Characteristics

Body-tail characteristics for configuration BN1T1 are presented in figure 6 for Mach numbers of 1.5 and 2.0. The circular and diamond symbols represent the results for the body with tail (BN1C1) while the square and triangular symbols represent the results for the tail alone (summation of four tail panels in the presence of the body).

Generally, the tail (T1) developed at least half the total C_N for α up to about 12° . By comparing the C_m results of figures 5 and 6, one can observe the strong effect of the tail in providing stability in the pitch plane. Also, it can be seen in figure 6 that the C_m versus α results for the body plus tail are not greatly different from those for the tail alone, especially for $M_\infty = 1.5$.

None of the results were changed significantly when the model was

tested at a roll angle, $\phi_C = \text{PHI-C}$, of 45° instead of 0° . The side-force, yawing-moment and rolling-moment coefficients for the body plus tail and the tail (in the presence of the body) were generally negligible at all test conditions.

Body-Canard Characteristics

Body-canard characteristics for configuration BNIC4 are presented in figure 7 for Mach numbers of 1.5 and 2.0. The circular and diamond symbols represent the results for the body with canard (BNIC4) while the square and triangular symbols represent the results for the canard alone (summation of four canard panels in the presence of the body). Results are presented first for all the canard panels (position $X = 1, 2, 3, 4$) deflected at $\delta C_X = D(X) = -3^\circ$ (see fig. 2) and with the model rolled at $\text{PHI-C} = 45^\circ$ (see fig. 1). These results are followed by those for all the panels deflected consecutively at $D(X) = 0^\circ, 1^\circ, 3^\circ, 6^\circ, 9^\circ$ and 15° . Then, with the model in the unrolled position ($\text{PHI-C} = 0^\circ$), results are presented with only the side panels ($X = 2$ and 4) deflected consecutively at $D(X) = D2 = D4 = -3^\circ, 0^\circ, 1^\circ, 3^\circ, 6^\circ, 9^\circ$ and 15° .

Generally, the canard panels developed less than half the total C_N at both test Mach numbers. Being located well forward of the pitching-moment reference center, the canard panels also contributed substantially to the unstable pitching-moment characteristics typical of a body without tail fins. The results for the model rolled at $\text{PHI-C} = 45^\circ$ were nearly the same as for the model in the unrolled position ($\text{PHI-C} = 0^\circ$). As expected, increase in panel deflection angle resulted in some increase in C_N and positive (unstable) C_m .

Body-Canard-Tail Characteristics

Body-canard-tail characteristics for configuration BNIC4T1 are presented in figure 8 for Mach numbers of 1.5 and 2.0. The circular symbols represent the results for the body BNI with canard C4 and tail T1. The square symbols represent the results for the canard alone (summation of four panels in the presence of the body), and the diamond symbols represent the results for the tail alone (summation of four panels in the presence of the body). Finally, the triangular symbols represent the results for the canard plus tail in the presence of the body. Results are presented first for the model in the unrolled position ($\text{PHI-C} = 0^\circ$) and with only the canard side panels ($X = 2$ and 4) deflected consecutively at $D(X) = D2 = D4 = -3^\circ, 0^\circ, 1^\circ, 3^\circ, 6^\circ, 9^\circ$ and 15° . These results are followed by those for the model rolled 45° ($\text{PHI-C} = 45^\circ$) and all the canard panels are deflected consecutively at $D(X) = D1 = D2 = D3 = D4 = -3^\circ, 0^\circ, 1^\circ, 3^\circ, 6^\circ, 9^\circ$ and 15° .

Generally, the canard plus tail (C4T1) developed about half the total C_N for α up to about 12° . A similar result was obtained at a subsonic Mach number of 0.8 in reference 2. Enough normal force was developed by the tail to produce stable C_m characteristics over most of the α range. The canards were generally effective in trimming the model ($C_m = 0$) at angles of attack up to about 10° or 12° with panel deflections of 9° . There was generally only a small increase in trim α with panel deflections from 9° to 15° . The reader, of course, can study the various results for each Mach number, canard deflection angle, and model roll angle.

CONCLUDING REMARKS

A typical missile model with nose-mounted canards and cruciform tail surfaces was tested in the Ames 6- by 6-Foot Wind Tunnel to determine the contributions of the component aerodynamic surfaces to the static aerodynamic characteristics at Mach numbers of 1.5 and 2.0 and a Reynolds number of 1×10^6 , based on body diameter. Data were obtained at angles of attack ranging from -3° to 12° for various stages of model "build-up" (i.e., with and without canard and/or tail surfaces). Results were obtained both with the model unrolled and rolled 45° .

For the canard and tail arrangements investigated, the model was trimmable at angles of attack up to about 10° with canard deflections of 9° . Also, the tail arrangements studied provided ample pitch stability. There were no appreciable effects of model roll orientation.

Ames Research Center

National Aeronautics and Space Administration
Moffett Field, California 94035

April 12, 1977

REFERENCES

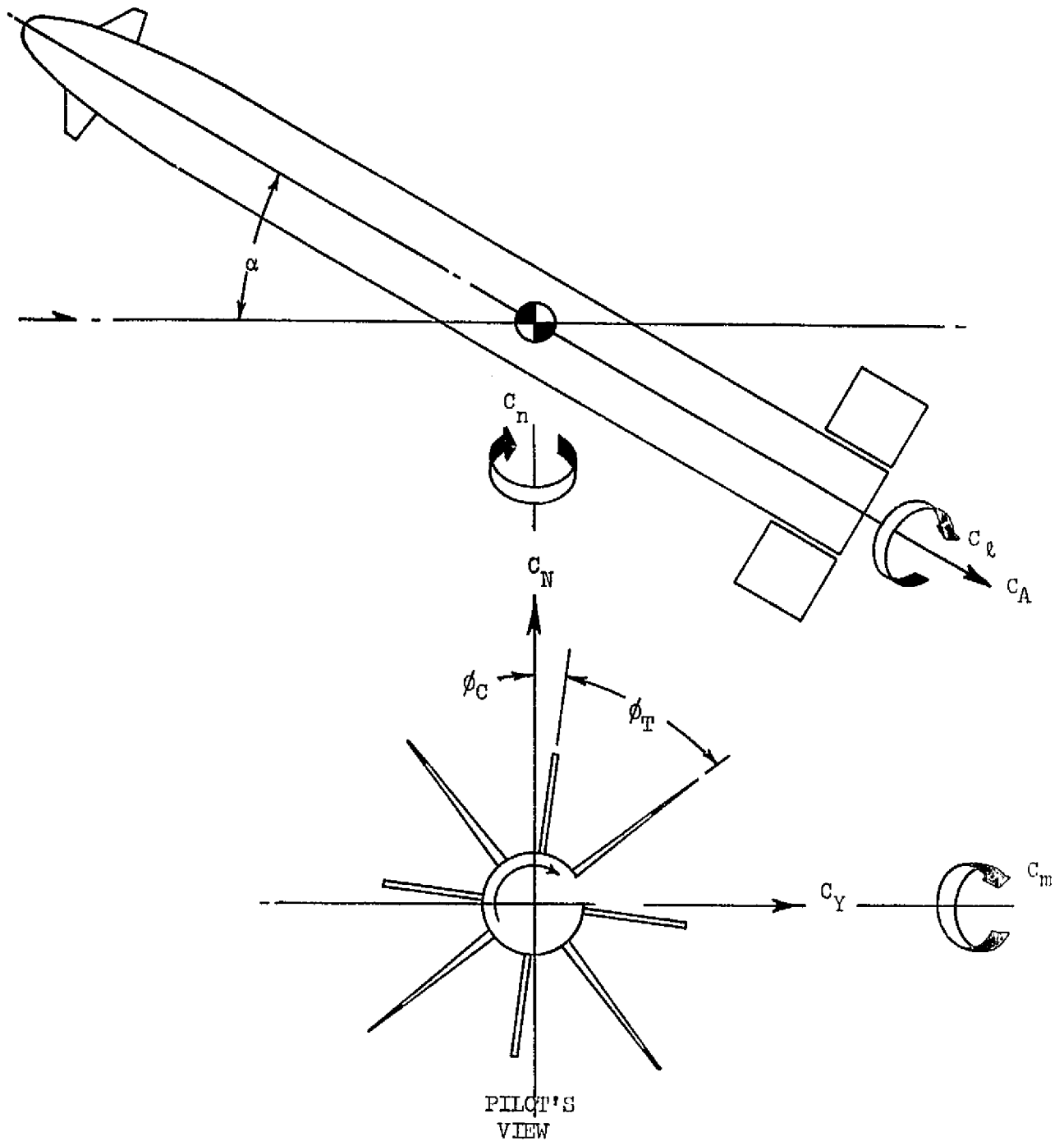
1. Pitts, William C.; Nielsen, Jack N.; and Kaattari, George E.: *Lift and Center of Pressure of Wind-Body-Tail Combinations at Subsonic, Transonic and Supersonic Speeds*. NACA Rep. 1307, 1957.
2. Kassner, Donald L.; and Wettlaufer, Brian: *Aerodynamic Characteristics of A Canard-Controlled Missile at Mach Numbers of 0.8, 1.3 and 1.75*. NASA TM X-73,218, 1977.
3. Kassner, Donald L.; and Wettlaufer, Brian: *Effects of Canard Location On The Aerodynamic Characteristics of a Blunt-Nosed Missile at Mach Numbers of 1.5 and 2.0*. NASA TM X-73,220, 1977.

4. Kassner, Donald L.; and Wettlaufer, Brian: *Effects of Canard Location On the Aerodynamic Characteristics of a Sharp-Nosed Missile at Mach Numbers of 1.5 and 2.0.* NASA TM X-73,221, 1977.
5. Jorgensen, Leland H.: *Prediction of Static Aerodynamic Characteristics for Space-Shuttle-Like and Other Bodies at Angles of Attack From 0° to 180°.* NASA TN D-6996, 1973.
6. Jorgensen, Leland H.; and Nelson, Edgar R.: *Experimental Aerodynamic Characteristics for a Cylindrical Body of Revolution With Various Noses at Angles of Attack From 0° to 58° and Mach Numbers From 0.6 to 2.0.* NASA TM X-3128, 1974.

TABLE 1. - DIMENSIONS OF CONTROL PANELS^a

| | C ₁ | C ₂ | C ₃ | C ₄ | C ₆ | C ₇ | T ₁ | T ₂ |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| A | | | | | 45 | | 0 | 45 |
| B | 1.68 | 1.68 | 1.68 | 2.40 | 2.54 | 2.37 | 3.18 | 3.81 |
| C | 5.08 | 5.08 | 5.08 | 7.18 | 10.16 | 7.18 | 12.70 | 17.78 |
| D | .25 | .25 | .25 | .36 | .38 | .36 | .51 | .51 |
| E | 3.81 | 3.81 | 3.81 | 5.39 | 9.53 | 3.56 | 6.35 | 8.89 |
| F | 2.11 | 2.11 | 2.11 | 2.98 | 4.37 | 2.98 | 5.72 | 7.62 |
| G | .08 | .08 | .08 | .08 | .15 | .17 | .51 | .51 |
| H | .0 | .0 | .0 | .0 | .0 | .81 | 3.18 | 3.81 |
| I | 1.52 | 1.52 | 1.52 | 2.15 | | 3.84 | 12.70 | 8.89 |
| J | .0 | .0 | .0 | .0 | .0 | .81 | | |
| K | 1.68 | 1.68 | 1.68 | 2.40 | 2.54 | 7.37 | | |

^aNOTE: all dimensions are in centimeters except "A", which is in degrees.
See control panel drawings, fig. 3(c).



NOTE: POSITIVE DIRECTIONS OF FORCE COEFFICIENTS, MOMENT COEFFICIENTS, AND ANGLES ARE INDICATED BY ARROWS.

Figure 1. Axis System.

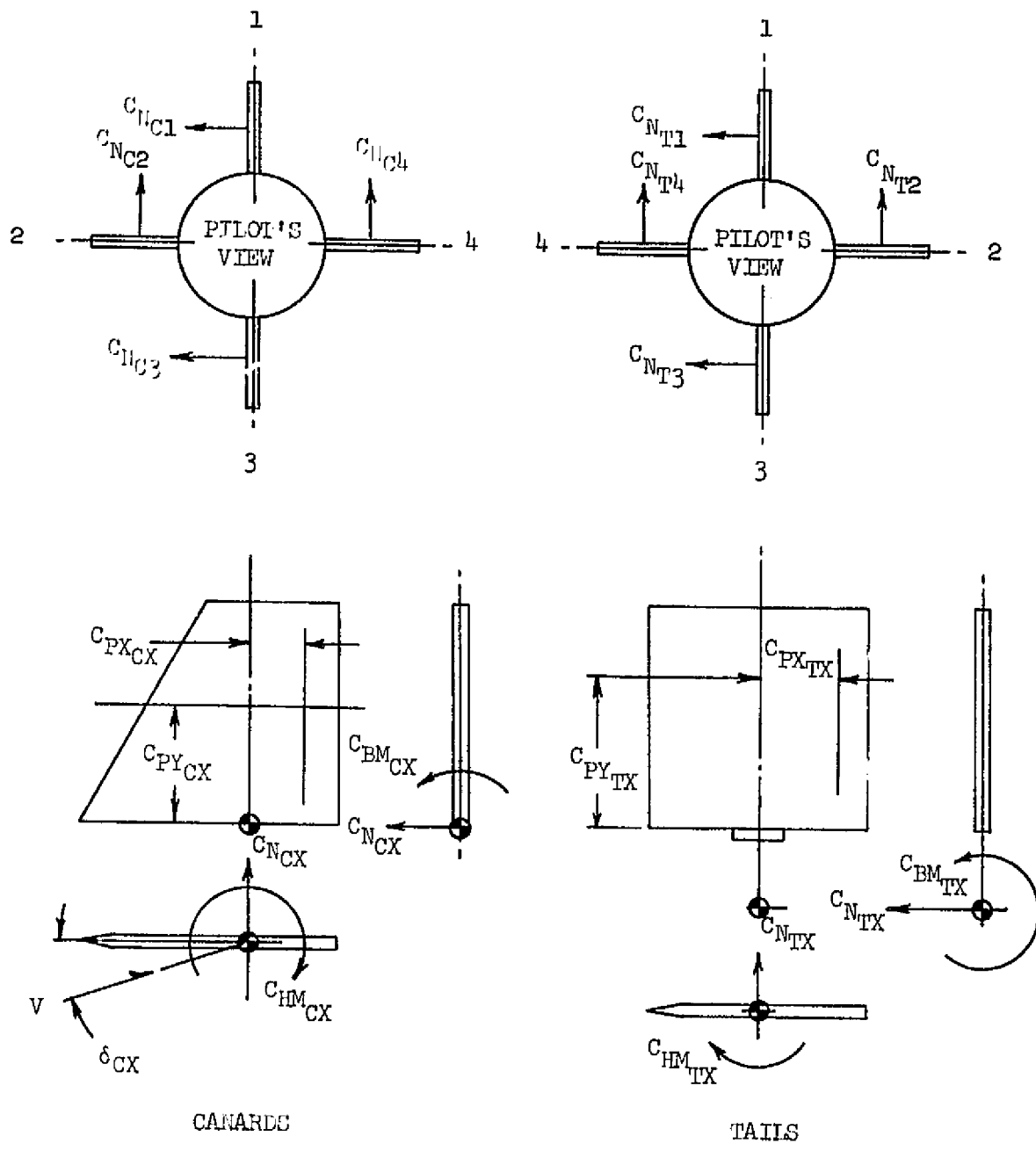
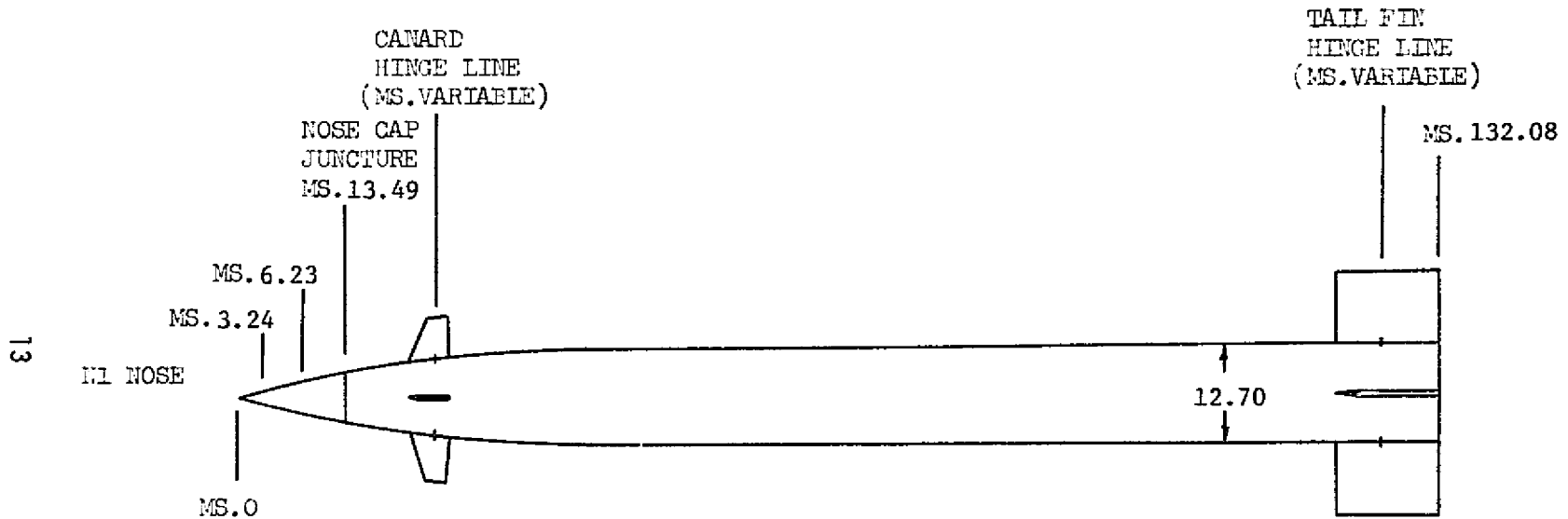


Figure 2. - Control panels sign convention.

NOTE: ALL DIMENSIONS ARE IN CENTIMETERS



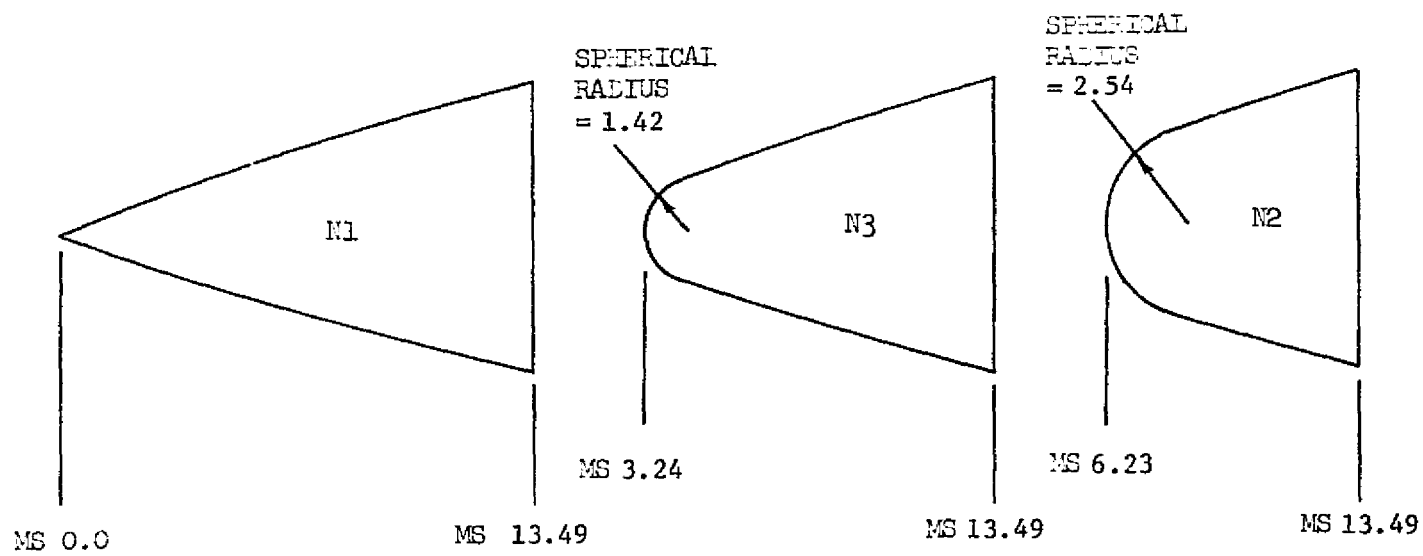
| HINGE LINE LOCATION (MS.) | CANARD POSITION |
|---------------------------|-----------------|
| 17.03 | FWD |
| 23.18 | MID |
| 38.10 | AFT |

| HINGE LINE LOCATION (MS.) | TAIL FIN POSITION |
|---------------------------|-------------------|
| 107.32 | FWD |
| 116.84 | MID |
| 126.37 | AFT |

NOTE: MODEL IS AXIS SYMMETRIC, CANARD AND TAIL ARE CRUCIFORM CONFIGURATIONS AND MAY BE ALIGNED OR INTERDIGITATED

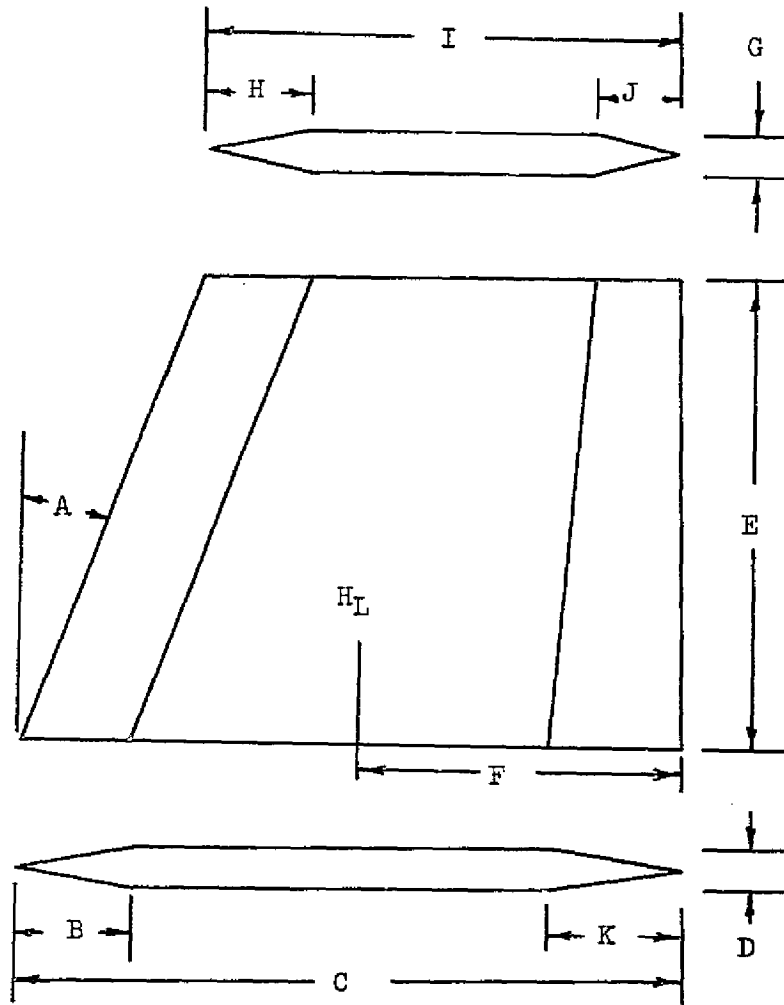
(a) Basic model drawing

Figure 3. - Basic model and components.



(b) Nose configurations

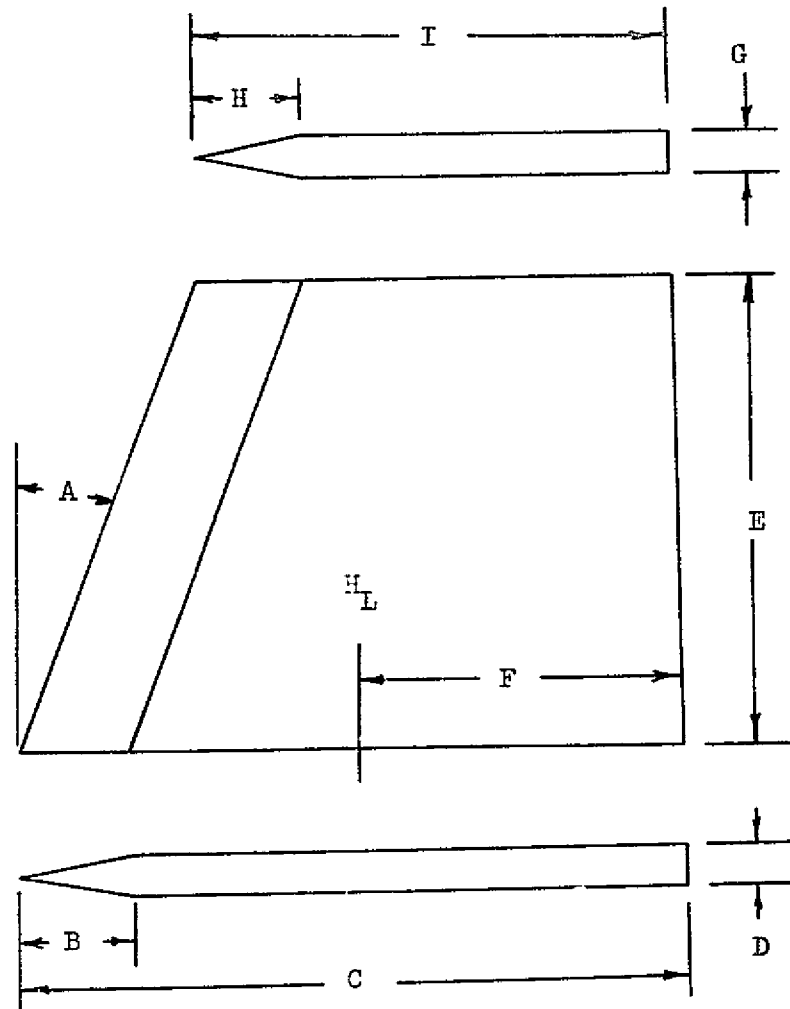
Figure 3. - Continued.



NOTE: SEE TABLE I FOR GEOMETRY OF CONTROL PANELS

(c) Canard configuration

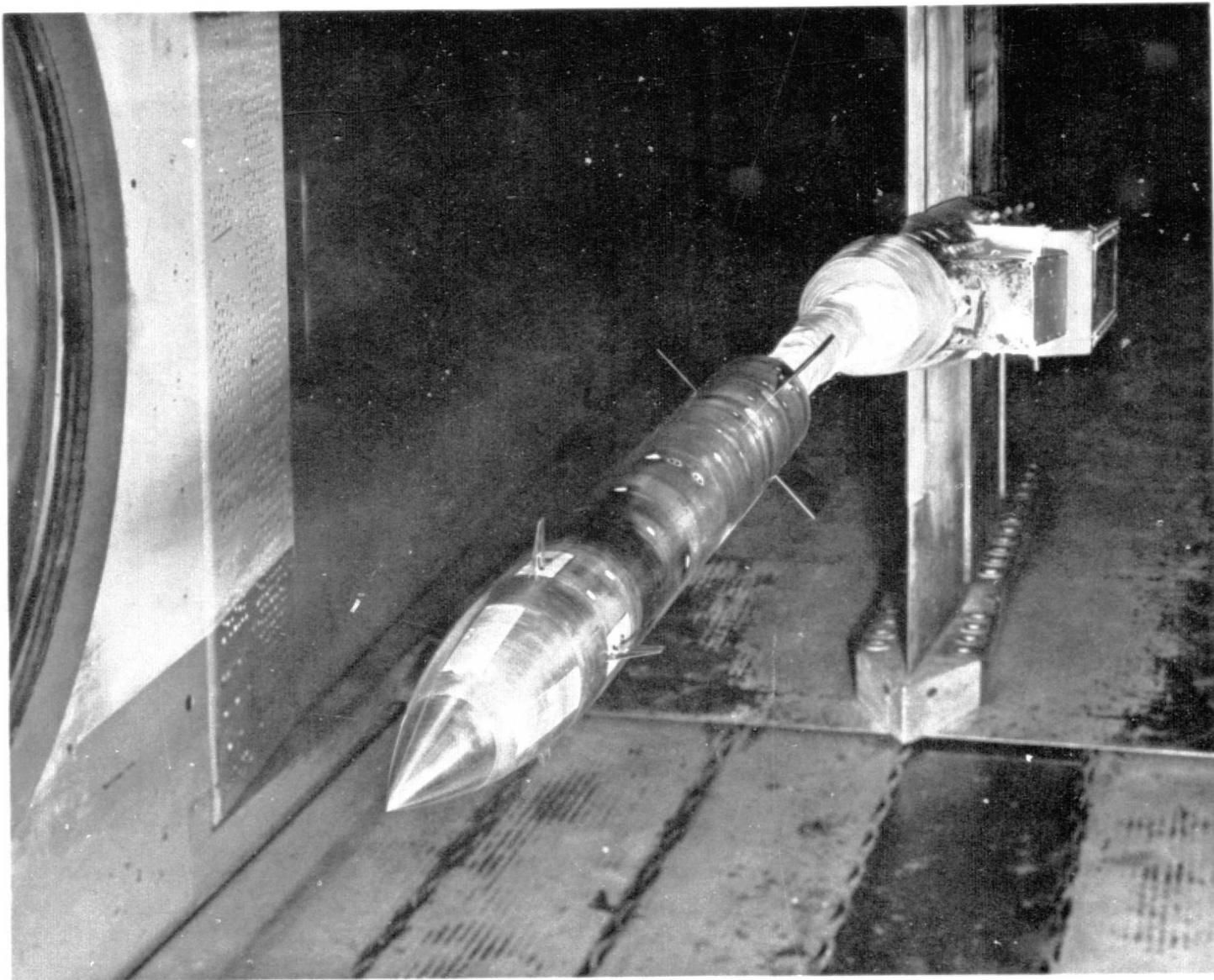
Figure 3. - Continued.



NOTE: SEE TABLE II FOR GEOMETRY OF CONTROL PANELS

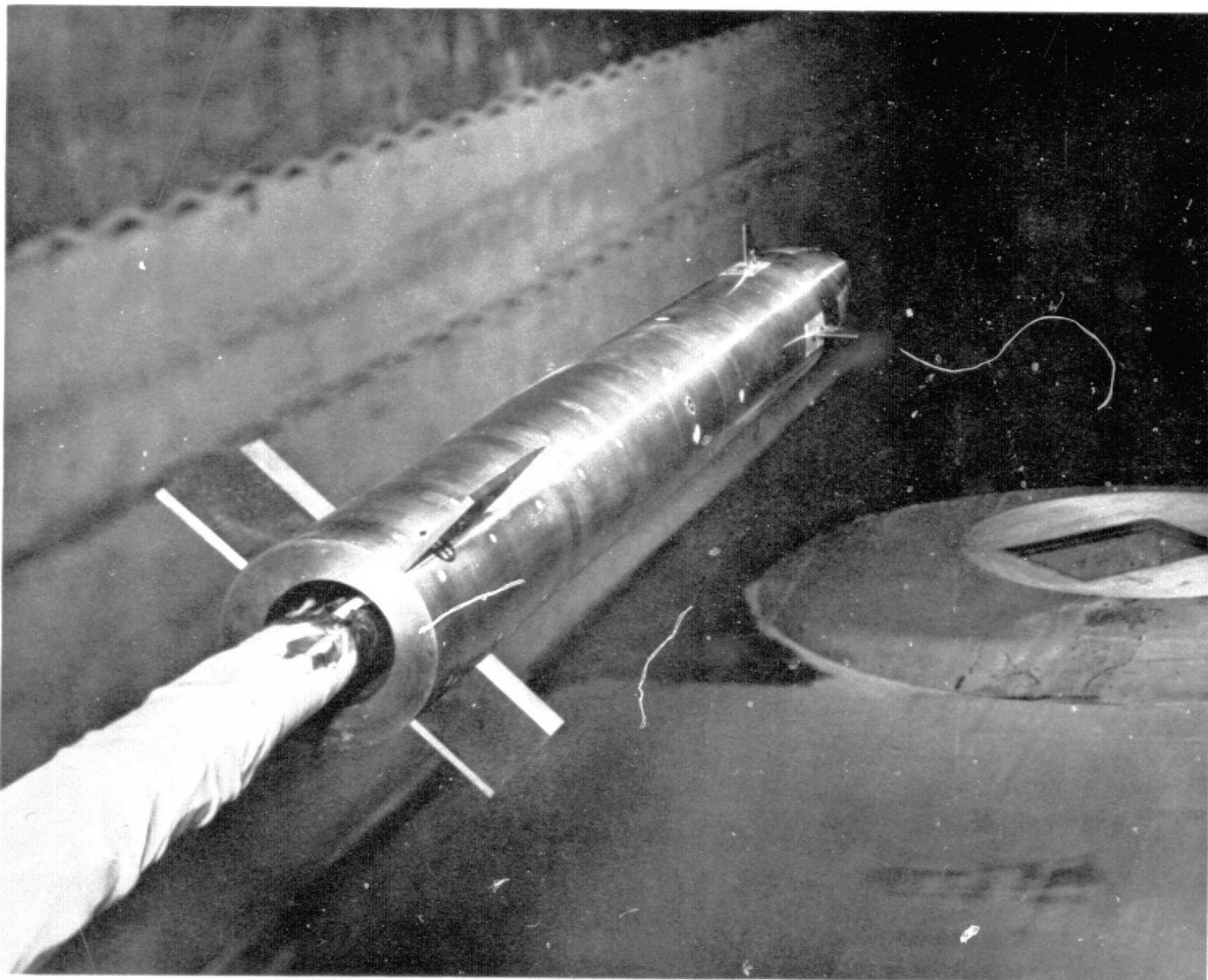
(d) Tail configuration

Figure 3. - Concluded.



(a) Three-quarter front view.

Figure 4. - Model photographs.



(b) Three-quarter rear view

Figure 4. - Concluded.

Data Figures

(DEZ004) CONFIGURATION 2 (BN1)

SYMBOL MACH PARAMETRIC VALUES
○ 1.508 BETA .000
□ 2.005

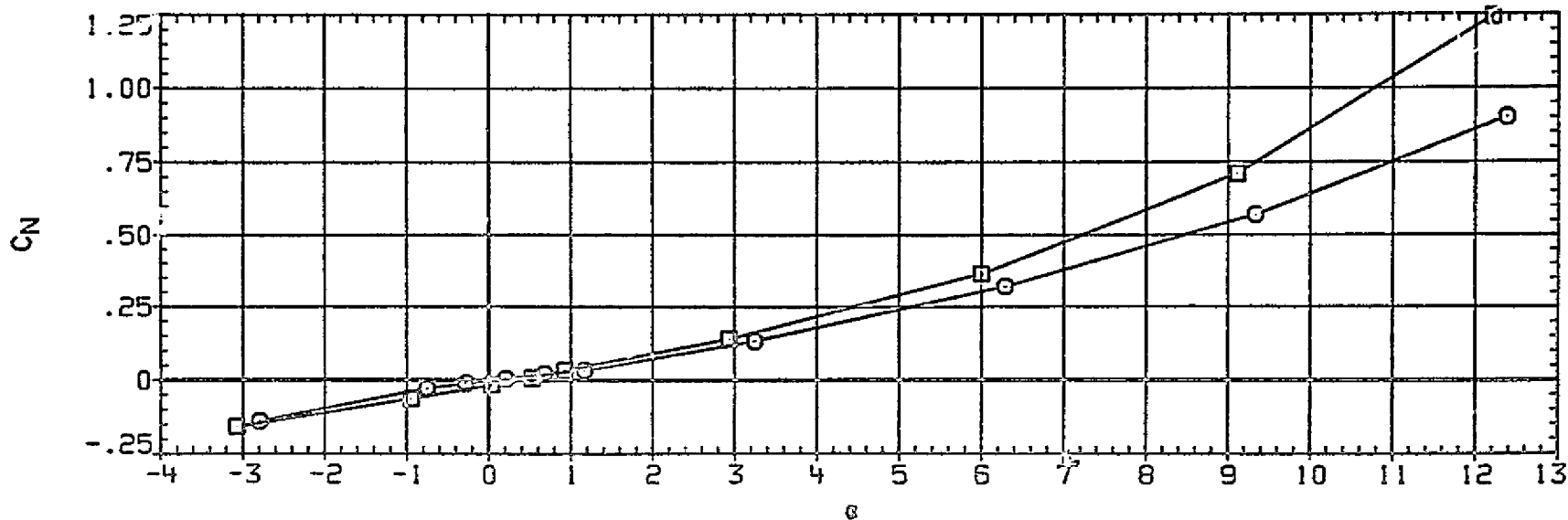
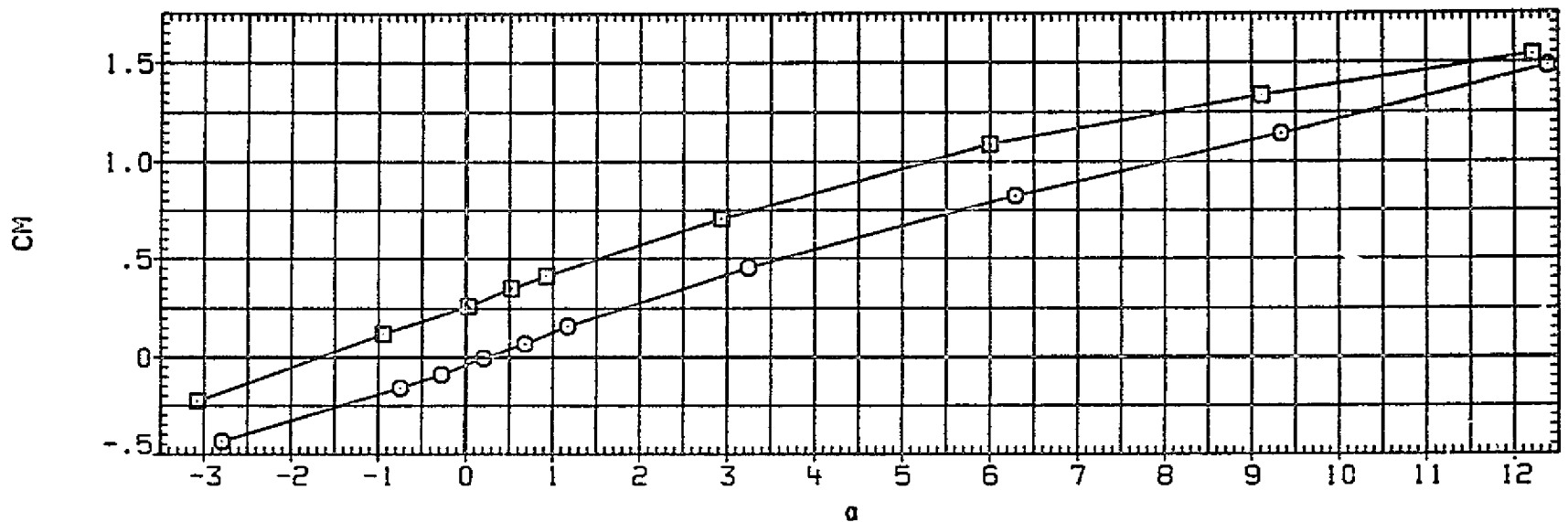


FIG. 5 BODY-ALONE CHARACTERISTICS

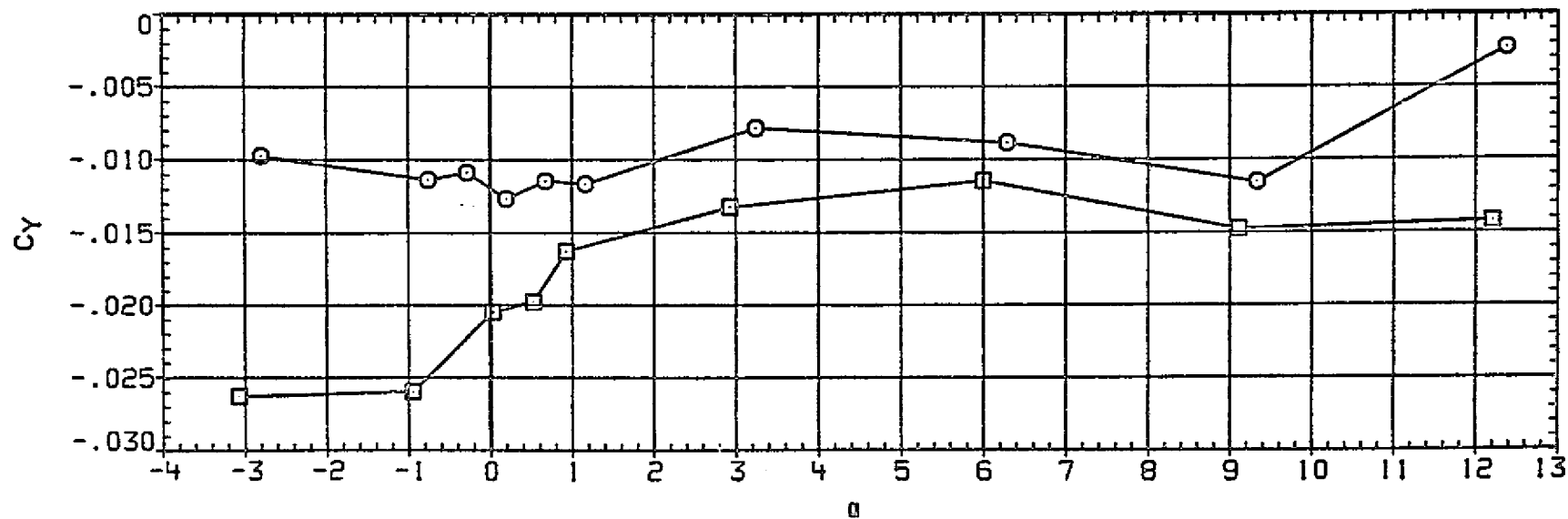
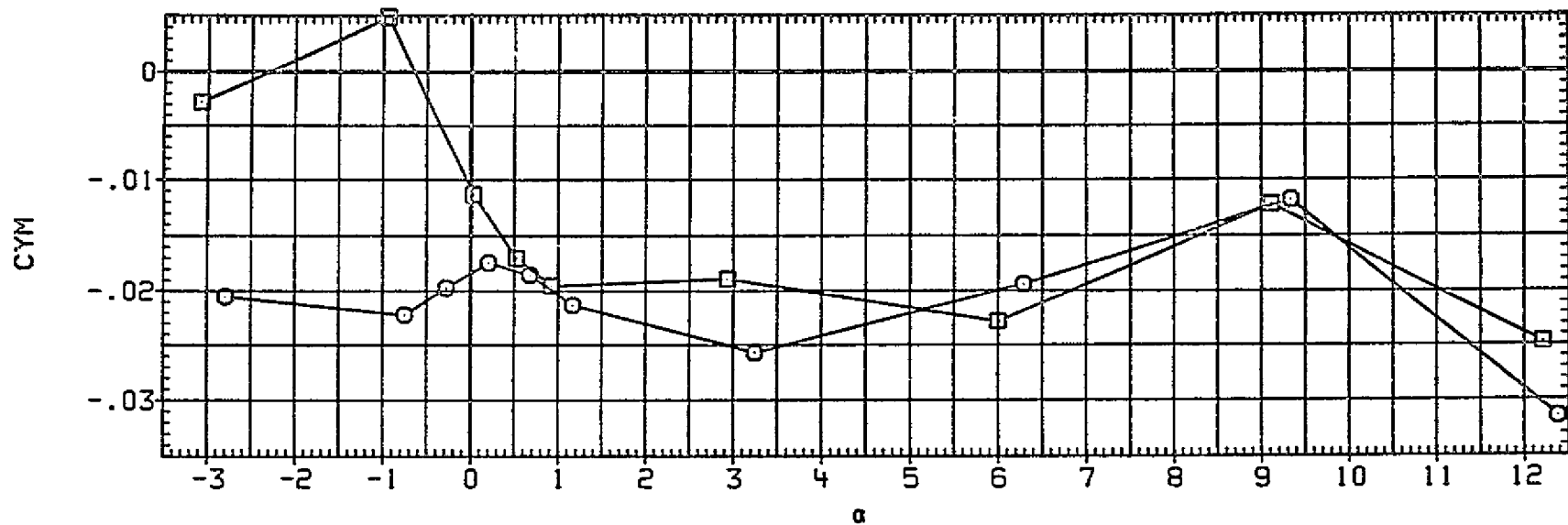


FIG. 5 BODY-ALONE CHARACTERISTICS

(DEZ004) CONFIGURATION 2 (BN1)

SYMBOL MACH BETA PARAMETRIC VALUES

○ 1.508 .000
□ 2.005

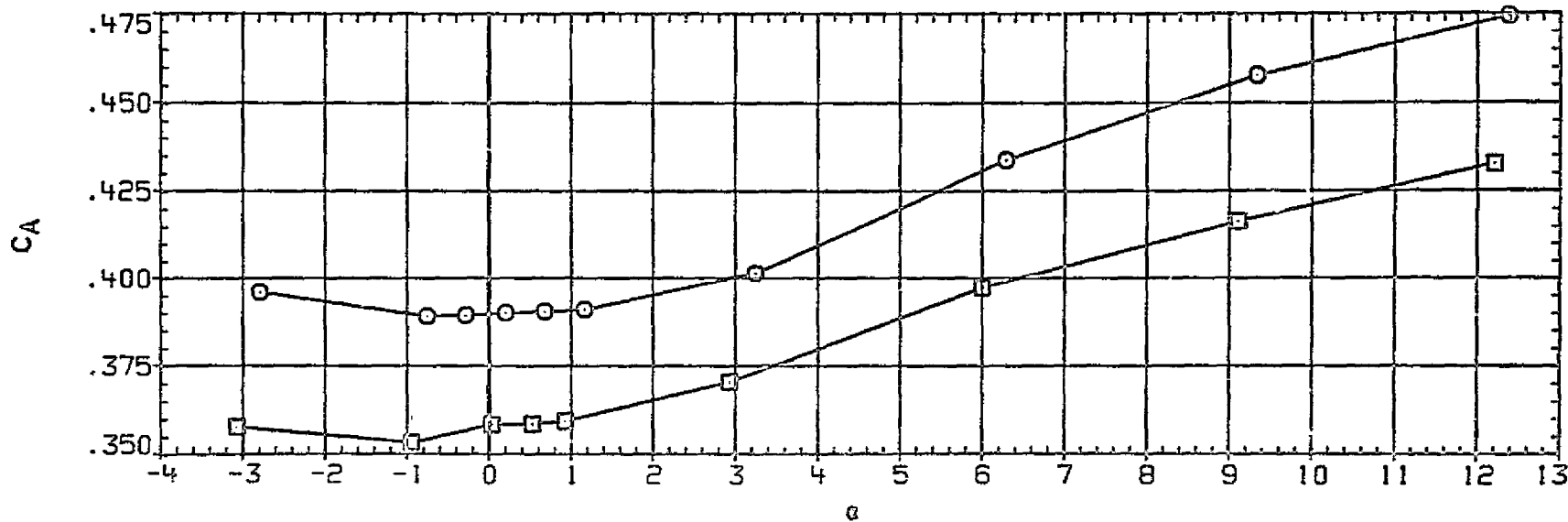
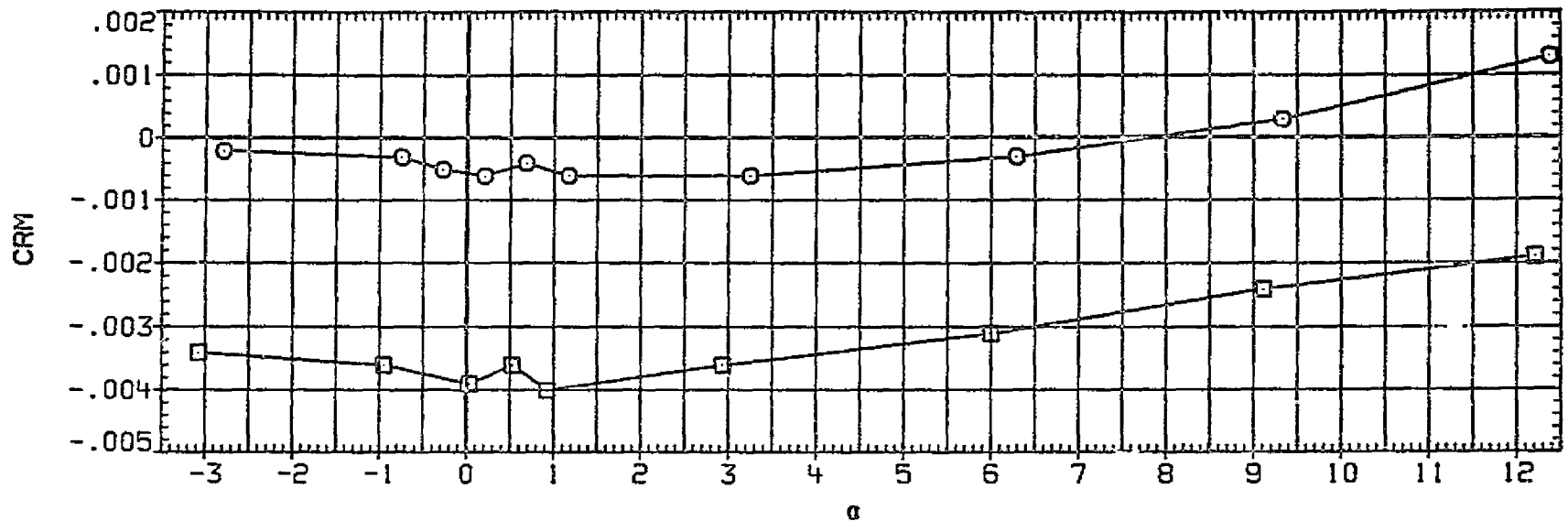


FIG. 5 BODY-ALONE CHARACTERISTICS

(BEZ005) CONFIGURATION 3 (BNIT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CN | MACH | 1.500 | BETA | .000 |
| □ | CN3 | PHI-C | .000 | PHI-T | .000 |
| ◇ | CH | | | | |
| △ | CM3 | | | | |

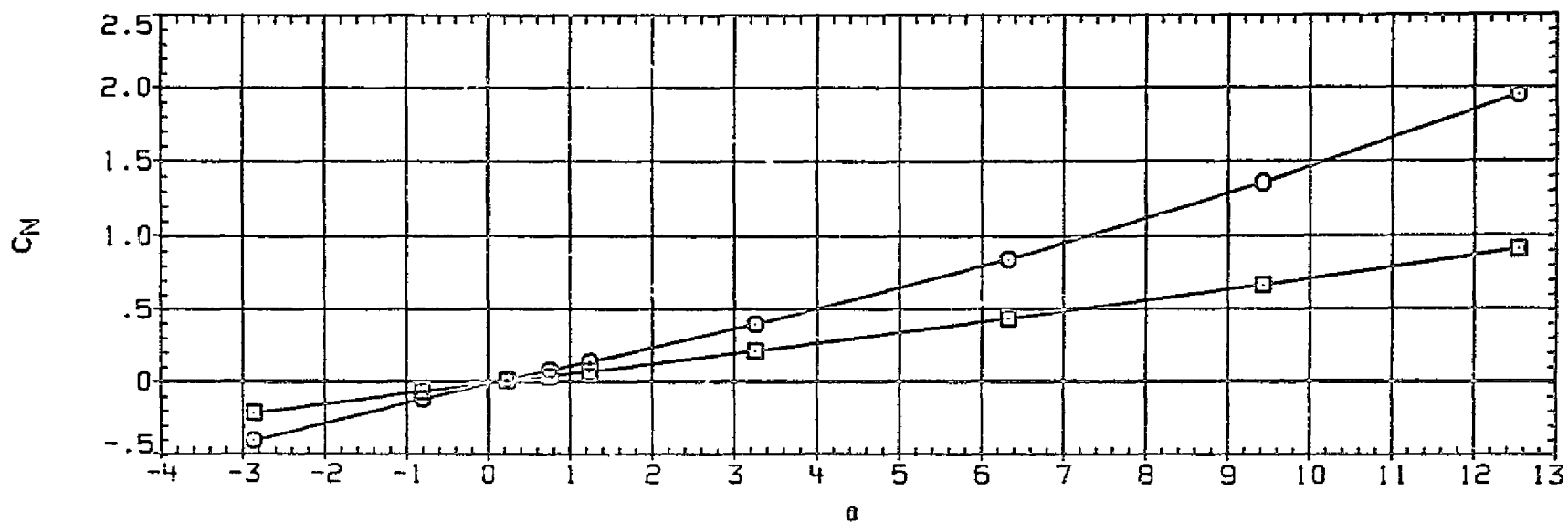
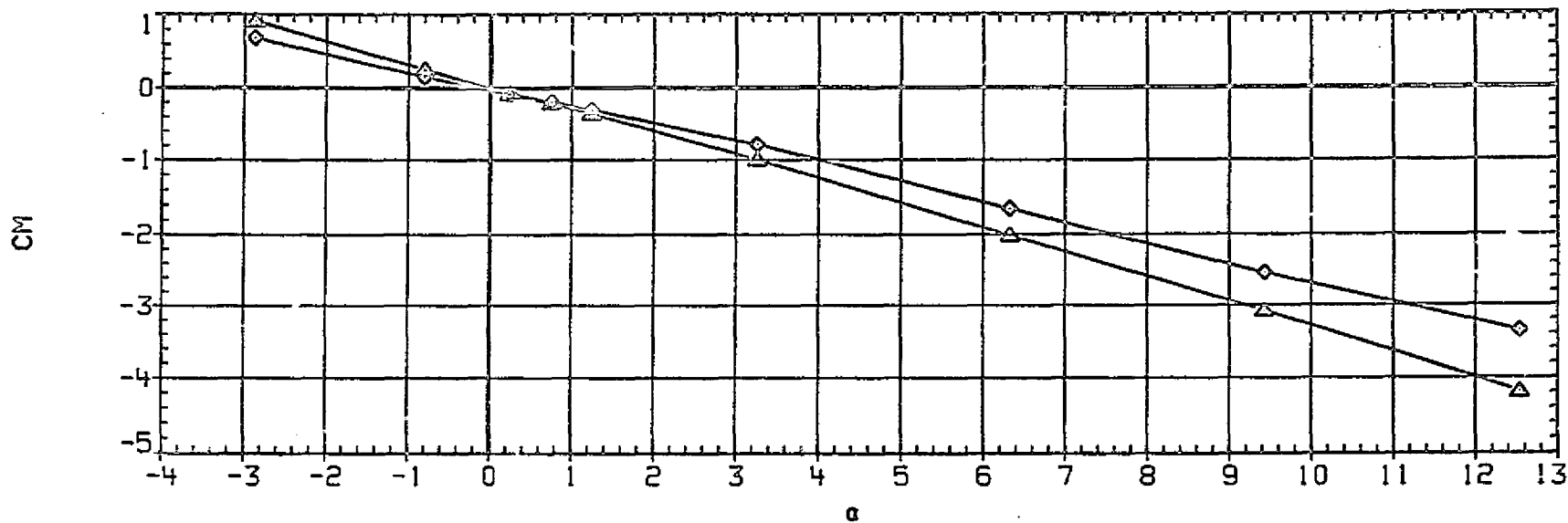


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ005) CONFIGURATION 3 (BNIT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CN | MACH | 1.997 | BETA | .000 |
| □ | CNS | PHI-C | .000 | PHI-T | .000 |
| ◇ | CM | | | | |
| △ | CMS | | | | |

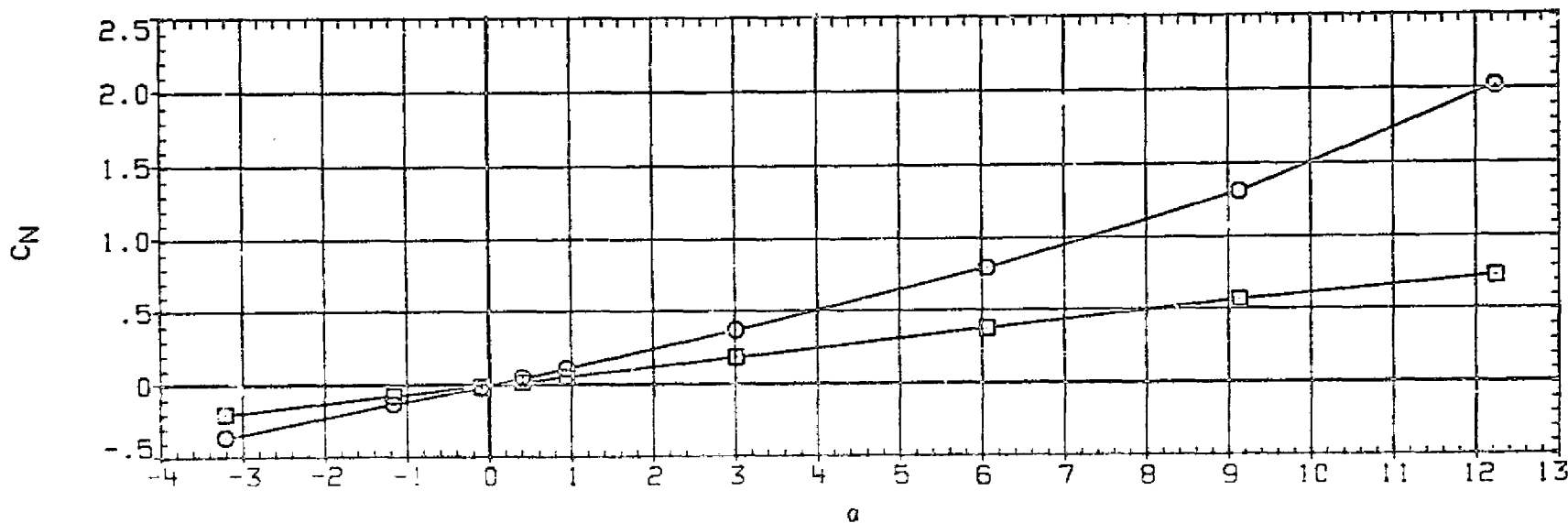
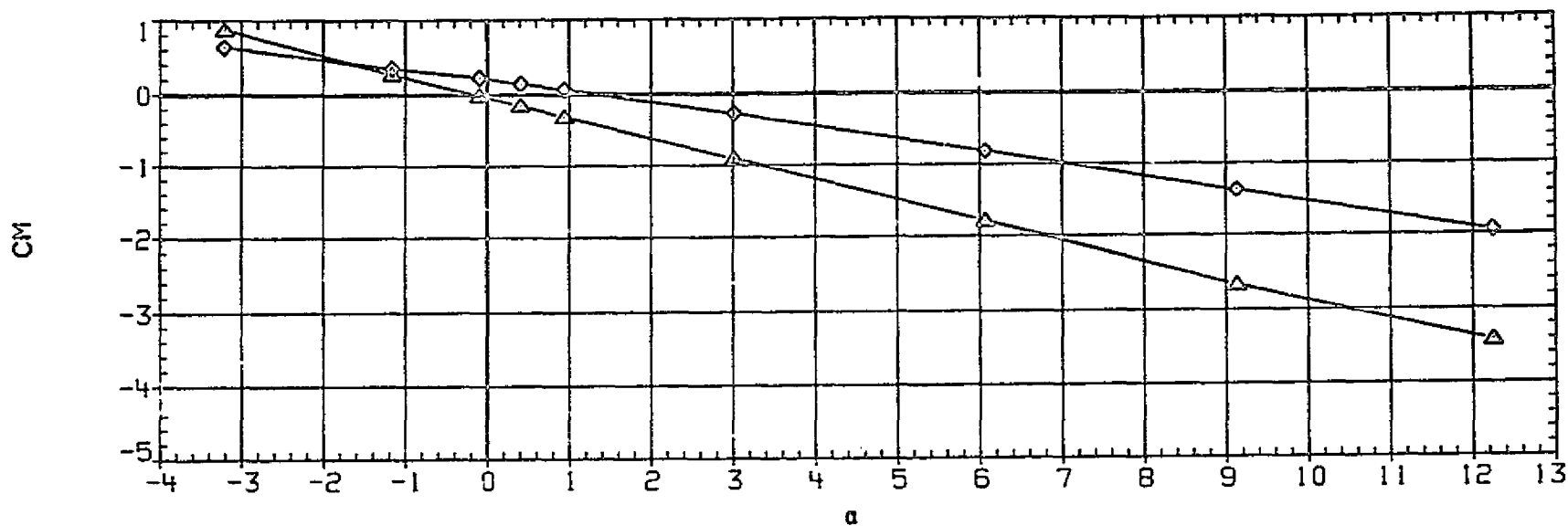


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ005) CONFIGURATION 3 (BNIT1)

SYMBOL DATA
○ CY
□ CYB
◇ CYM
△ CYM

PARAMETRIC VALUES
MACH 1.500 BETA .000
PHI-C .000 PHI-T .000

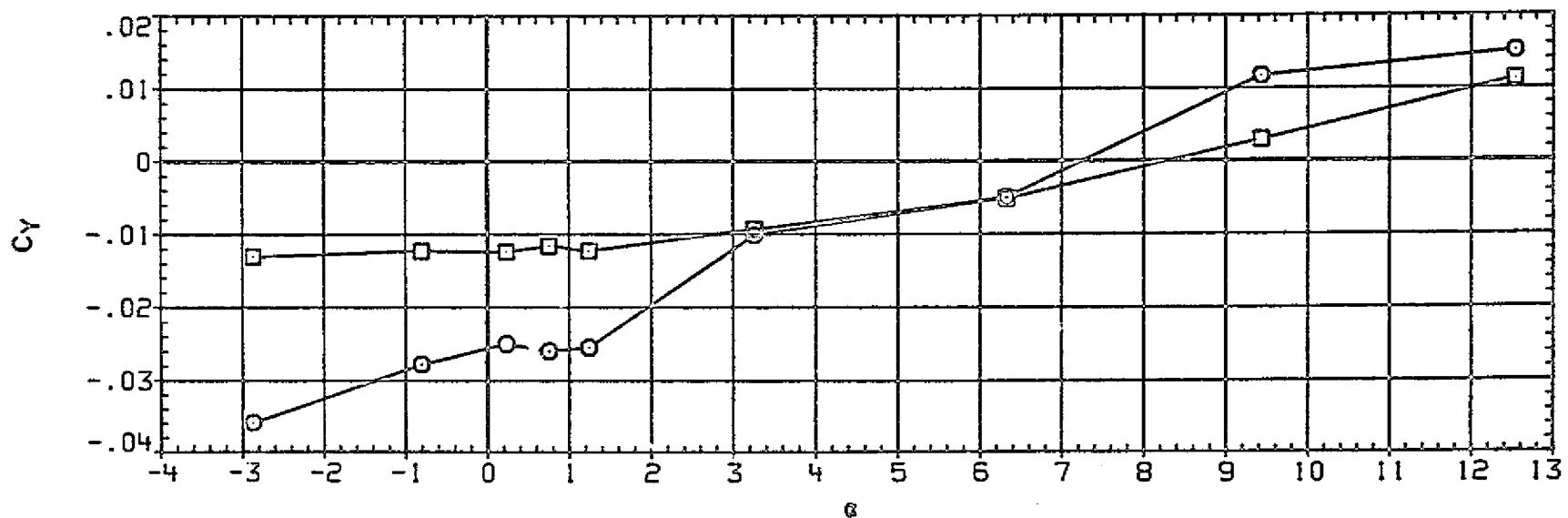
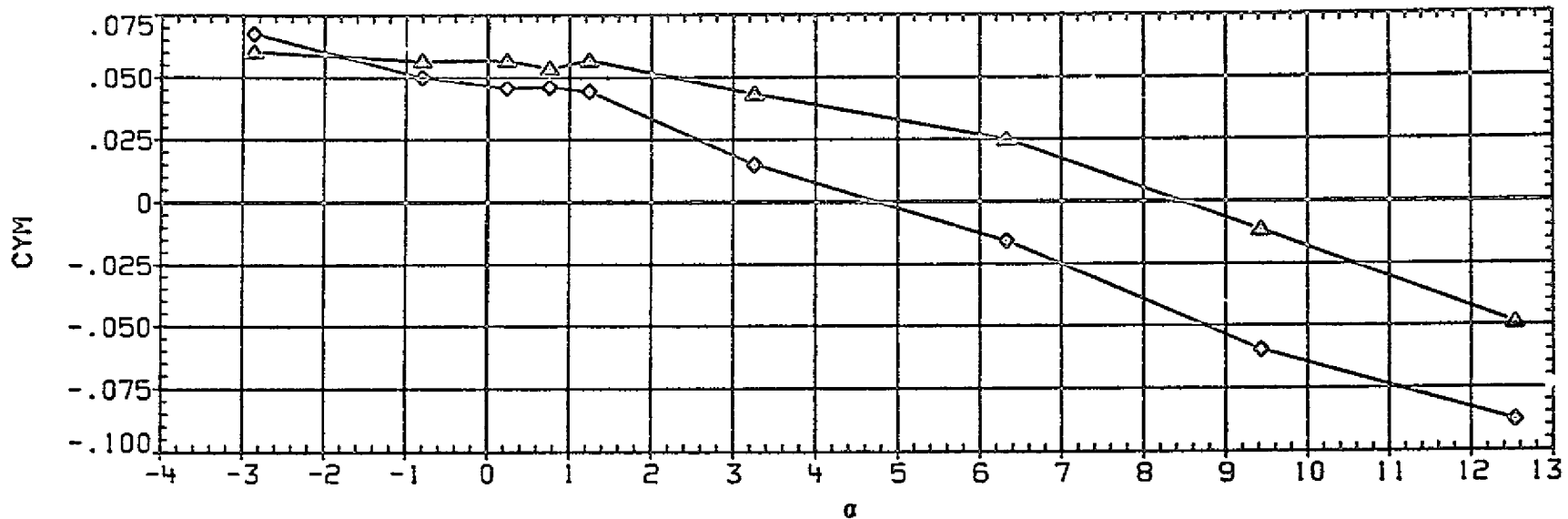


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ005) CONFIGURATION 3 (BNIT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ◇ | CY | MACH | 1.997 | BETA | .000 |
| □ | CYB | PHI-C | .000 | PHI-T | .000 |
| △ | CYM | | | | |
| | CYMB | | | | |

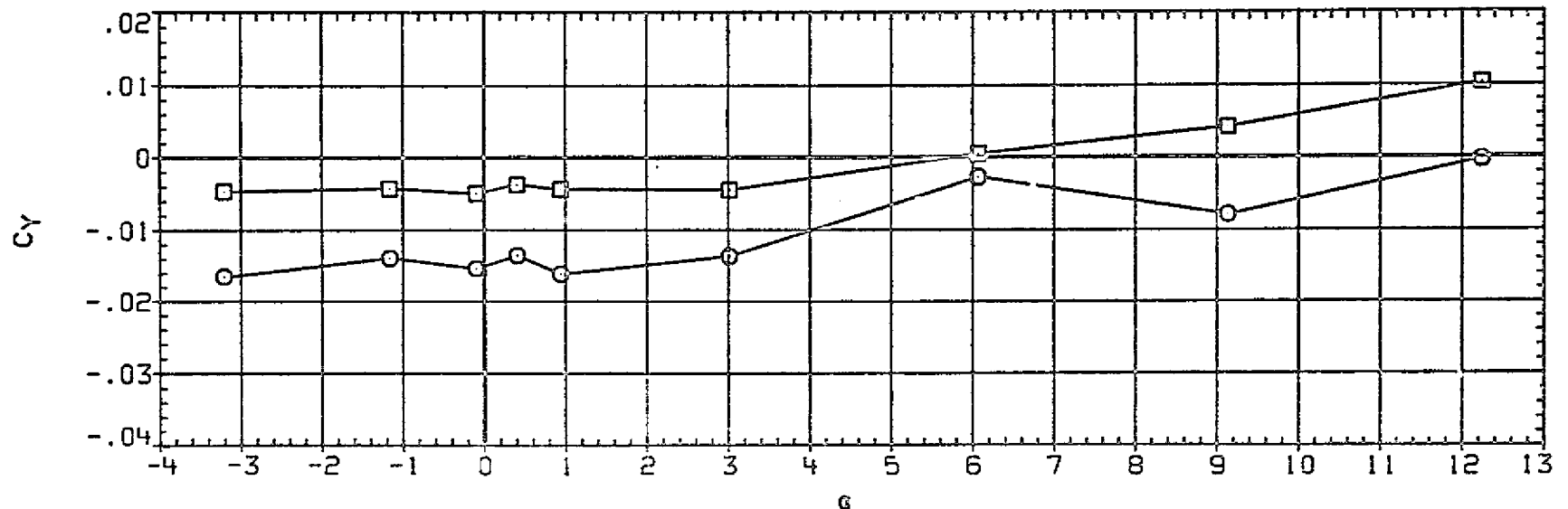
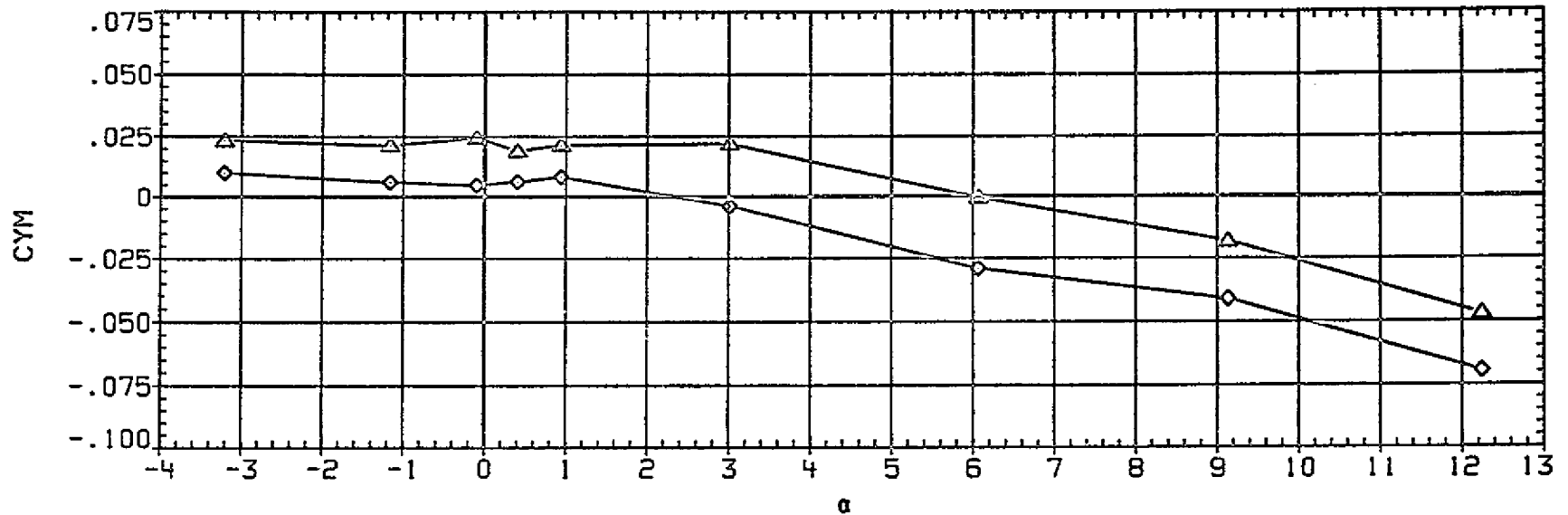


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ005)

CONFIGURATION 3 (BNIT1)

SYMBOL

DATA

PARAMETRIC VALUES

◇ □ ○

CRM
CRM3
CA

MACH
PHI-C

1.500
.000

BETA
PHI-T

.000
.000

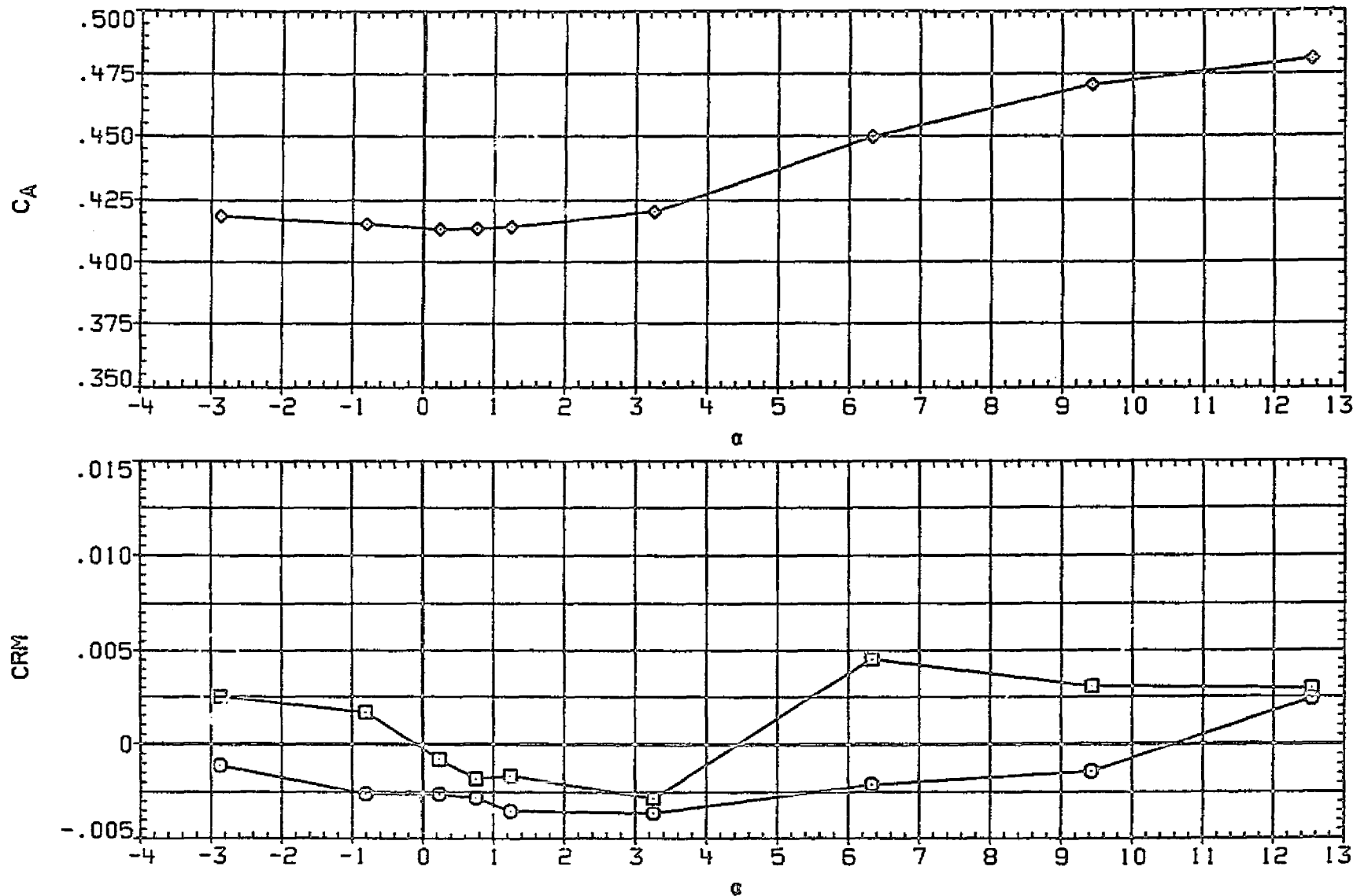


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ005) CONFIGURATION 3 (BNIT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|-------|-------|------|
| ◇ | CRM | MACH | 1.997 | BETA | .800 |
| □ | CRM _B | PHI-C | .000 | PHI-T | .000 |
| ○ | CA | | | | |

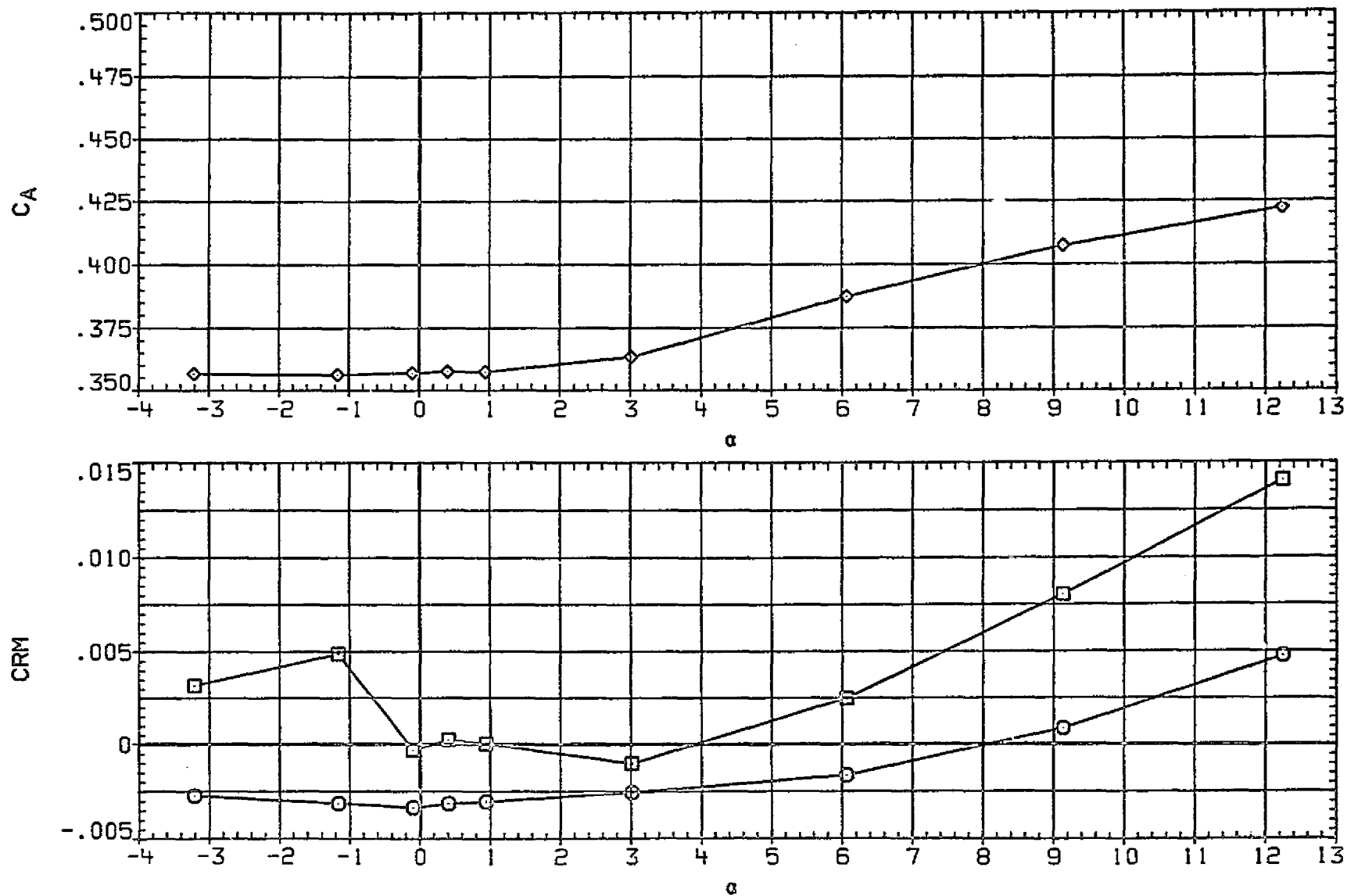


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ006) CONFIGURATION 3 (BNIT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CN | MACH | 1.501 | BETA | .000 |
| □ | CN3 | PHI-C | 45.000 | PHI-T | .000 |
| ◇ | CM | | | | |
| △ | CM3 | | | | |

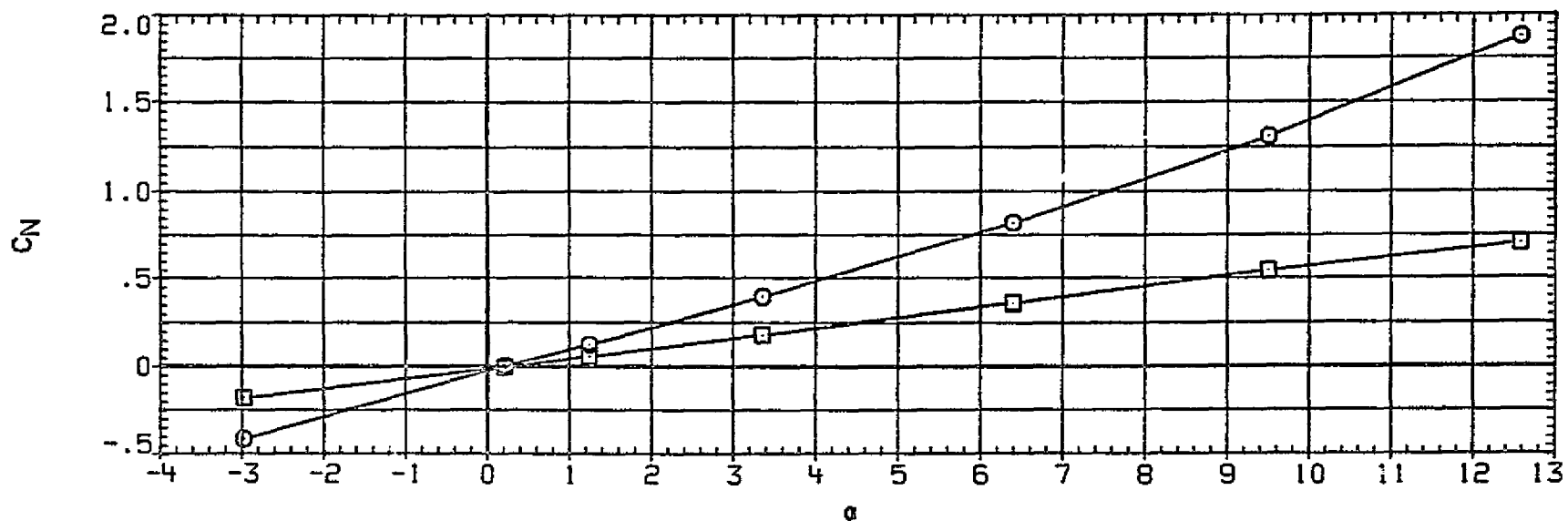
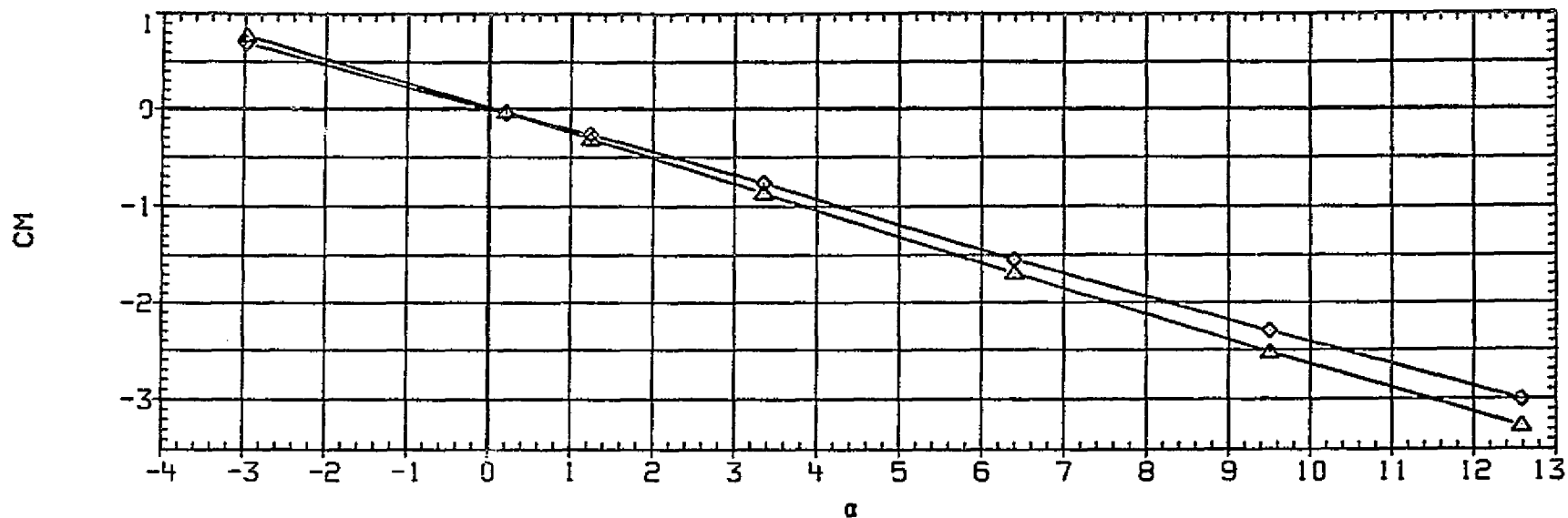


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ006) CONFIGURATION 3 (BNIT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CN | MACH | 1.992 | BETA | .000 |
| □ | CNB | PHI-C | 45.000 | PHI-T | .000 |
| ◇ | CM | | | | |
| △ | CMB | | | | |

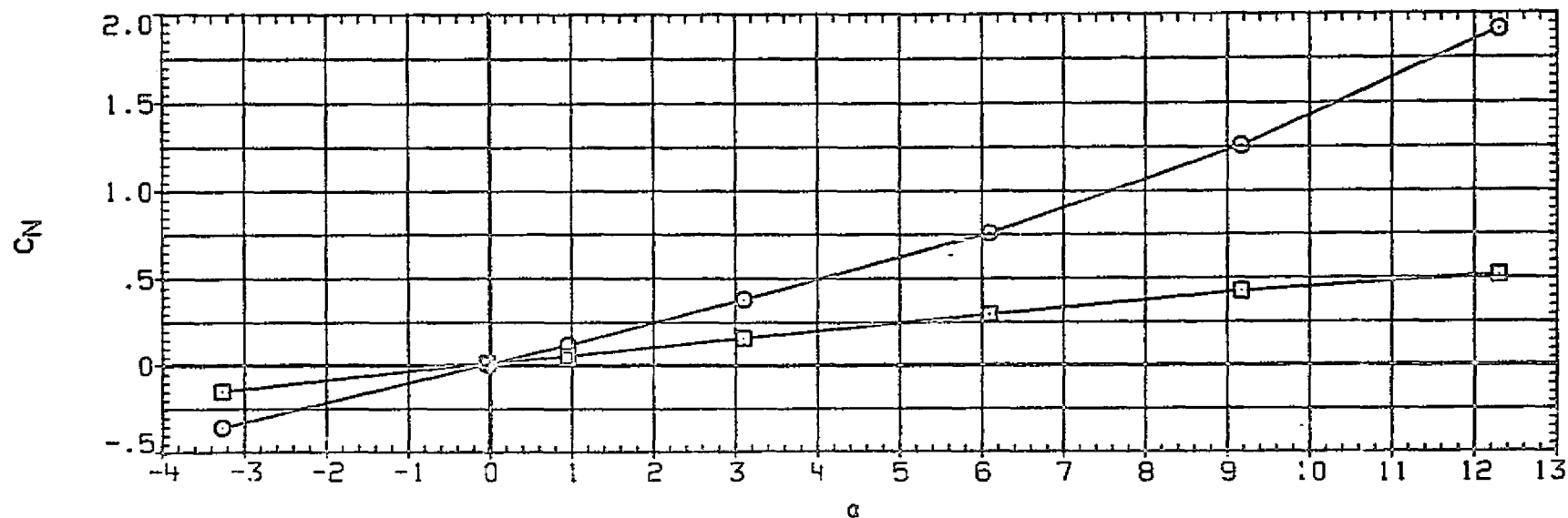
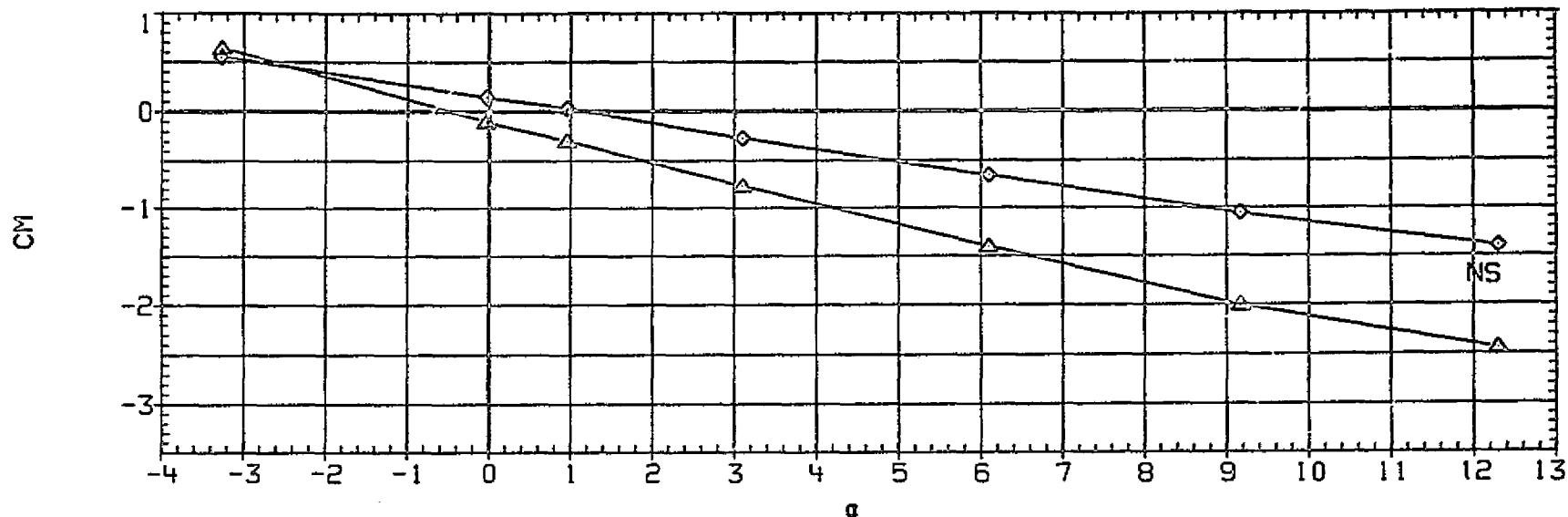


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ006) CONFIGURATION 3 (BNIT1)
 SYMBOL DATA PARAMETRIC VALUES
 MACH 1.501 BETA .000
 PHI-C 45.000 PHI-T .000
 CY
 CYB
 CYM
 CYMB

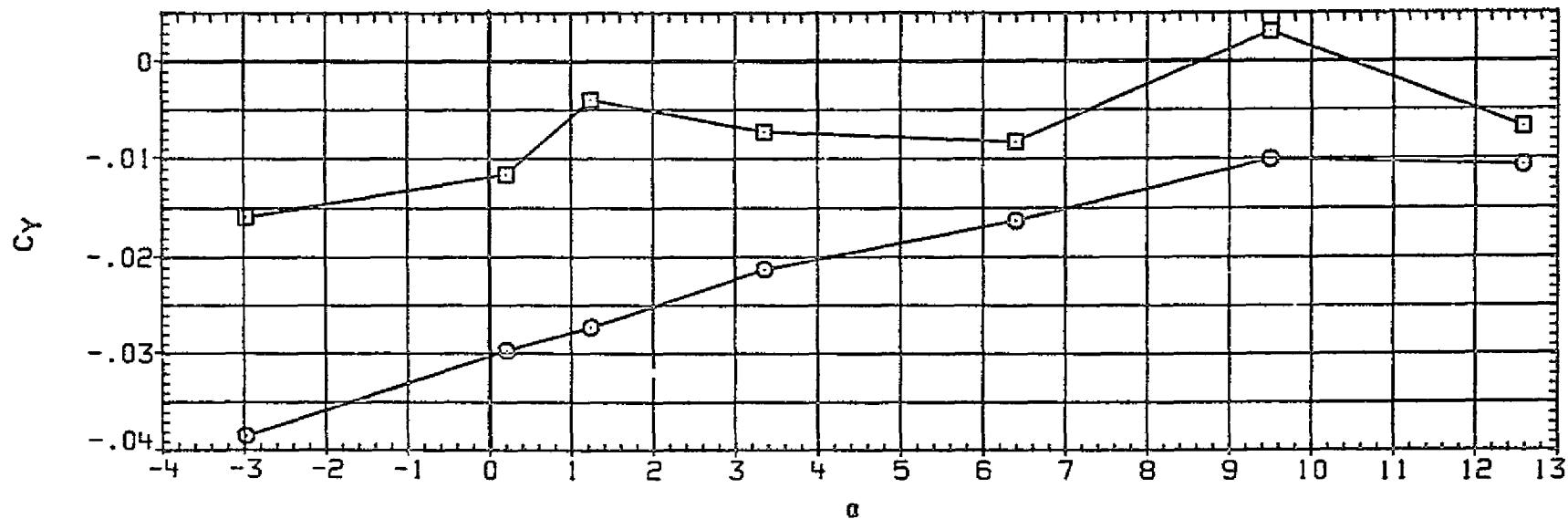
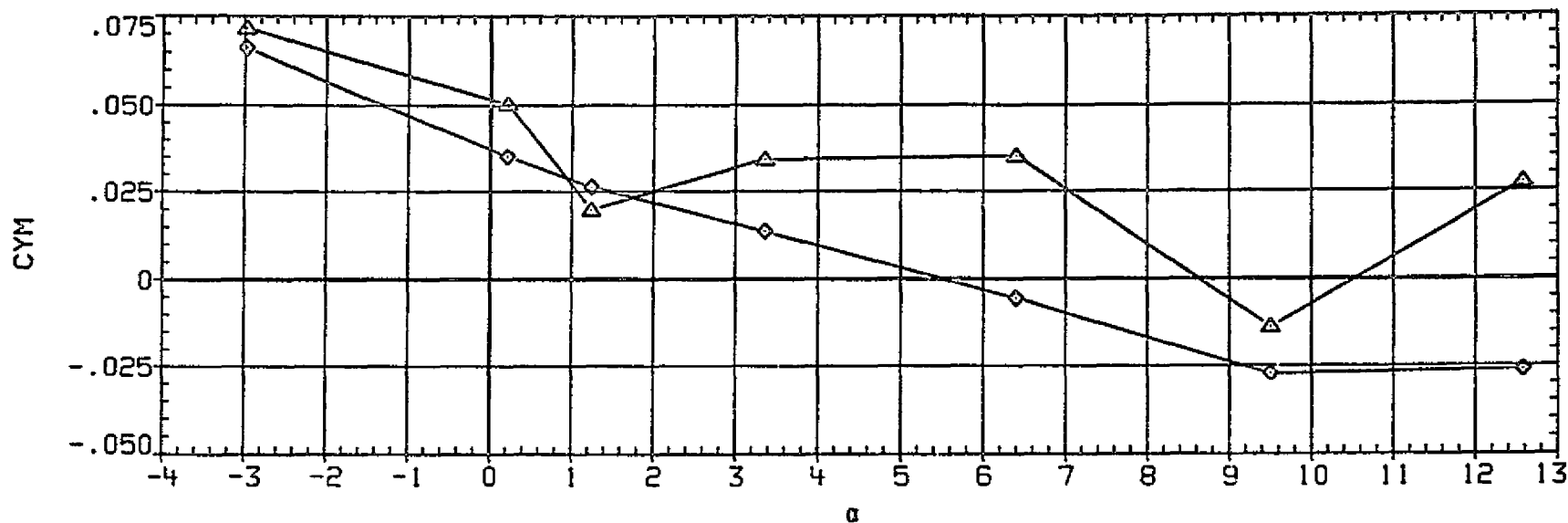


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ006) CONFIGURATION 3 (BN11)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CY | MACH | 1.992 | BETA | .000 |
| □ | CYB | FHI-C | 45.000 | FHI-T | .000 |
| ◇ | CYM | | | | |
| △ | CYB | | | | |

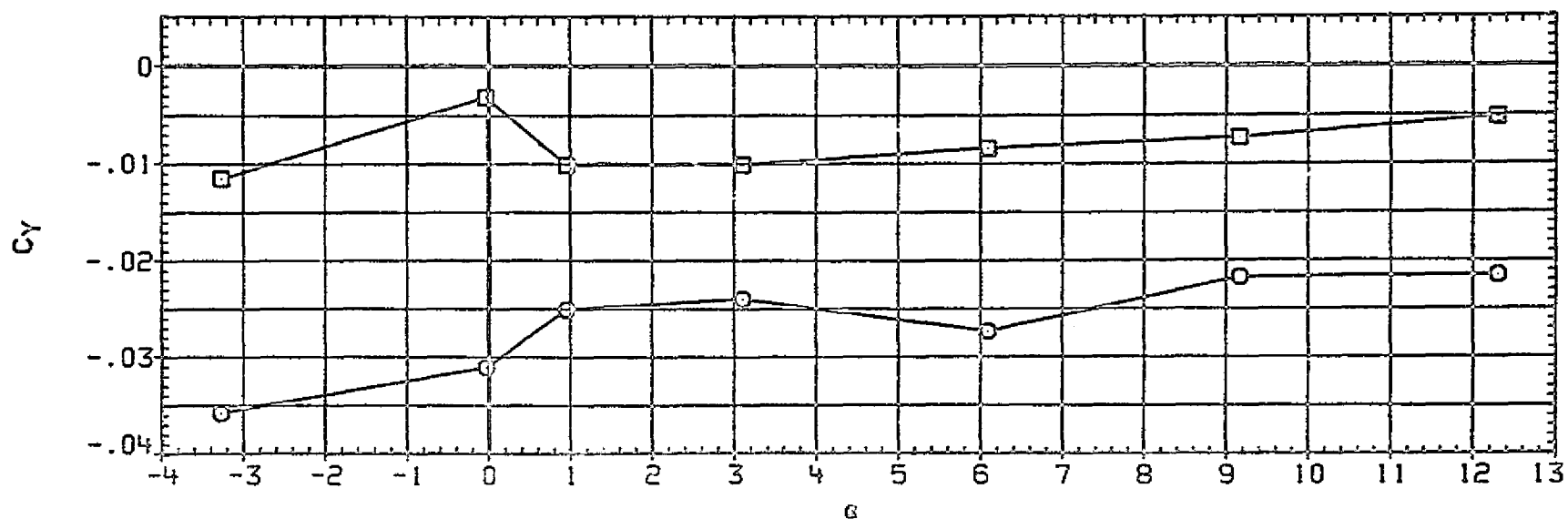
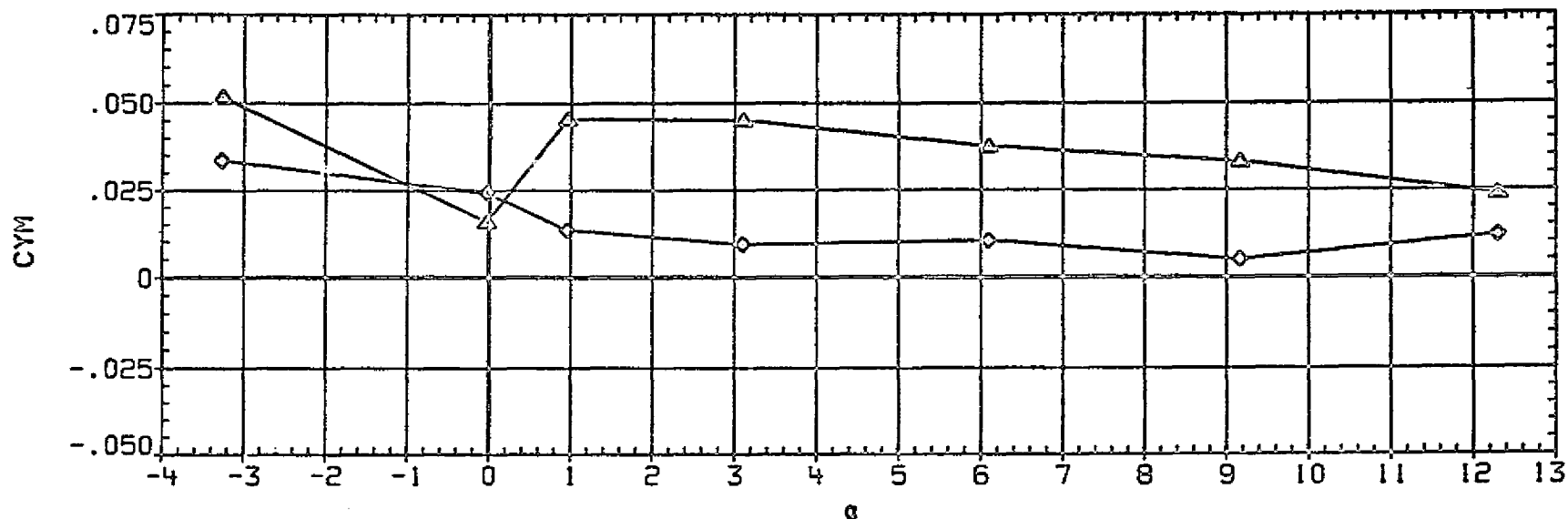


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ006) CONFIGURATION 3 (BNIT1)
 SYMBOL DATA PARAMETRIC VALUES
 MACH 1.501 BETA .000
 PHI-C 45.000 PHI-T .000
 CA

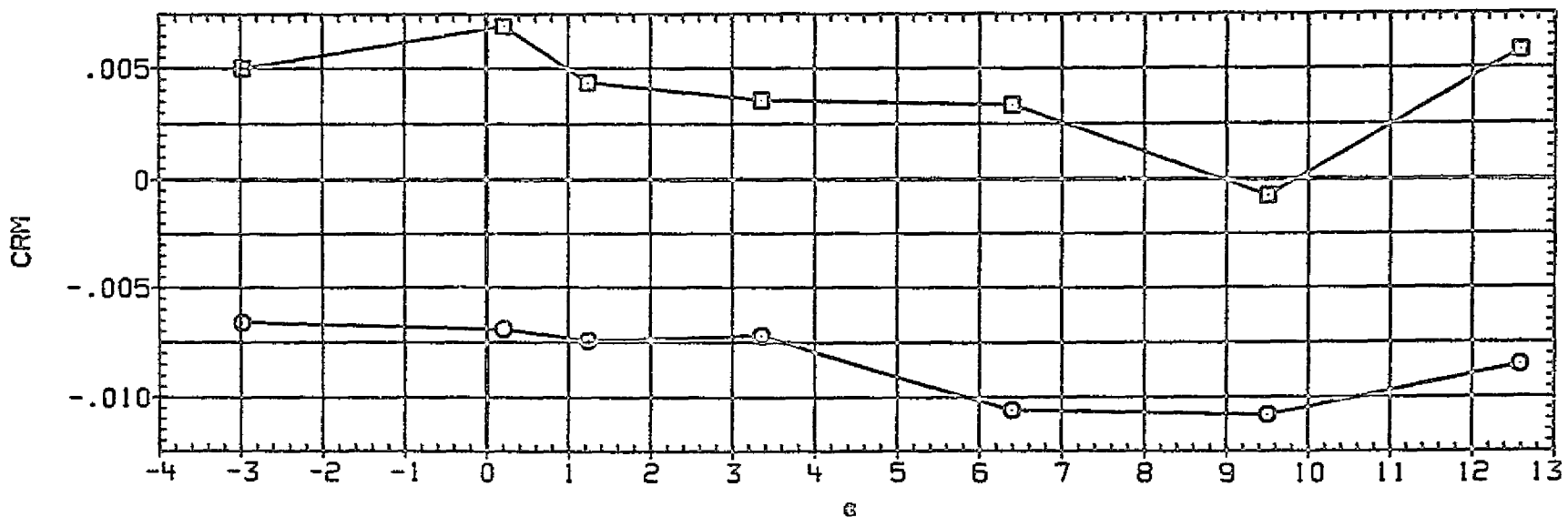
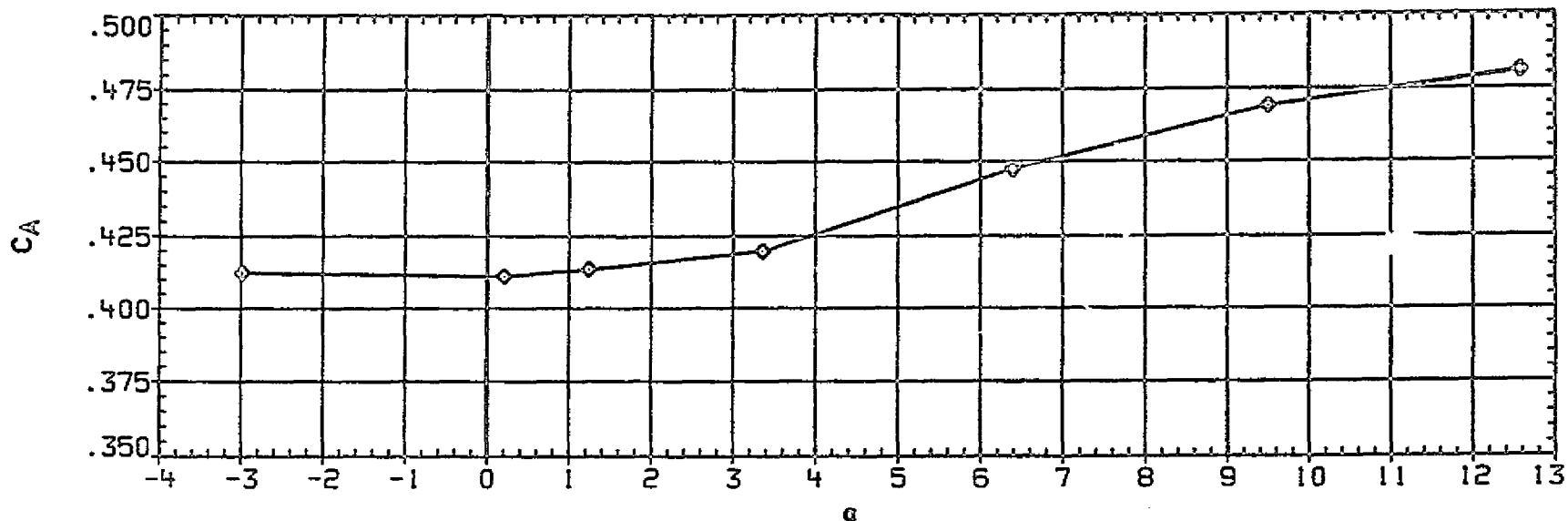


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ006) CONFIGURATION 3 (BN1T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ◇◇◇ | CRM | MACH | 1.932 | BETA | .000 |
| ◇◇◇ | CRM | PHI-C | 45.000 | PHI-T | .000 |
| ◇◇◇ | CA | | | | |

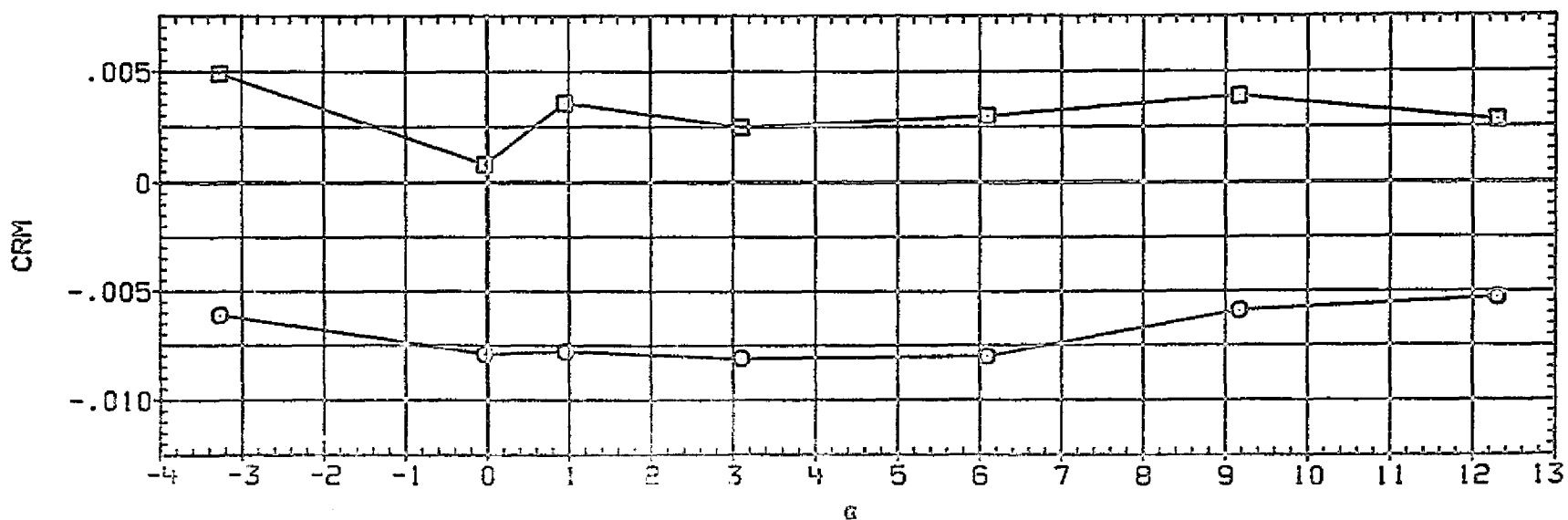
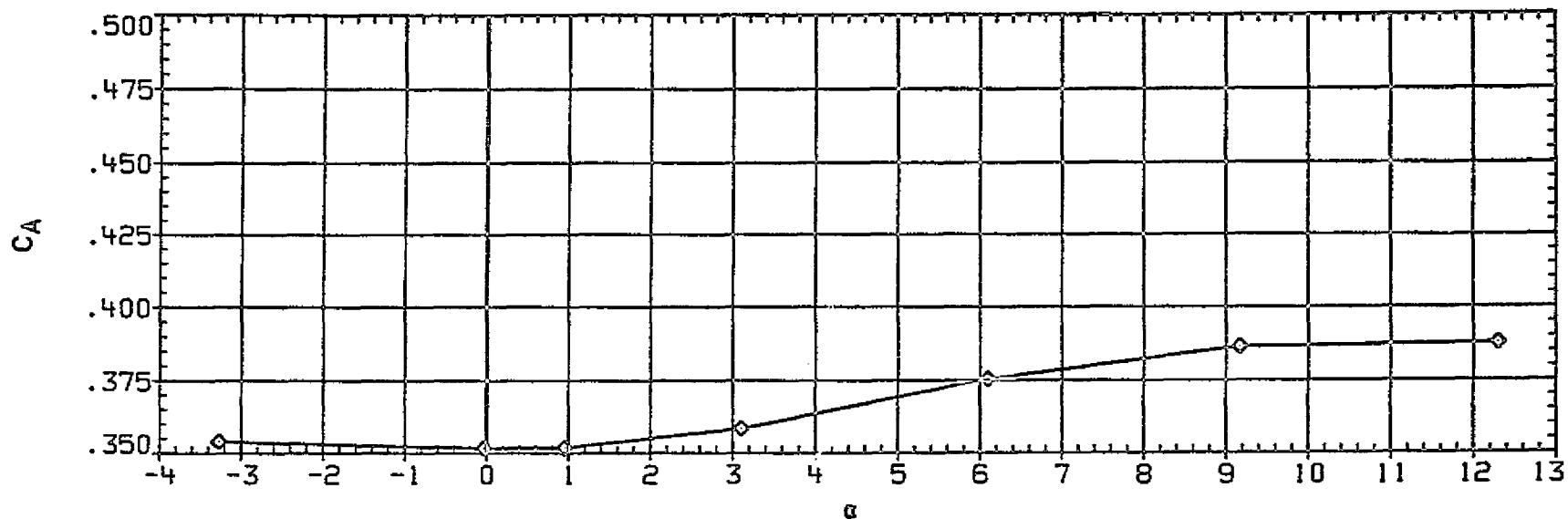


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ211) CONFIGURATION 12 (BN14)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CN | MACH | 1.501 | BETA | .000 |
| ◇ | CN3 | D1 | -3.000 | D3 | -3.000 |
| □ | CM | D2 | -3.000 | D4 | -3.000 |
| △ | CM3 | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | | |

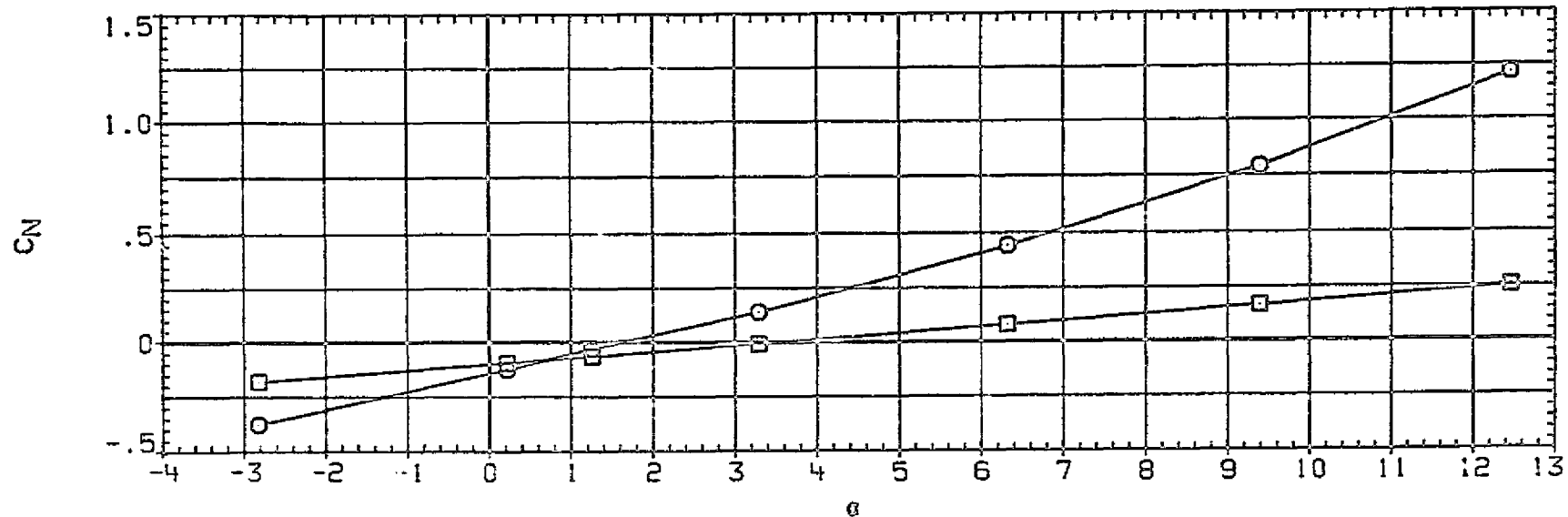
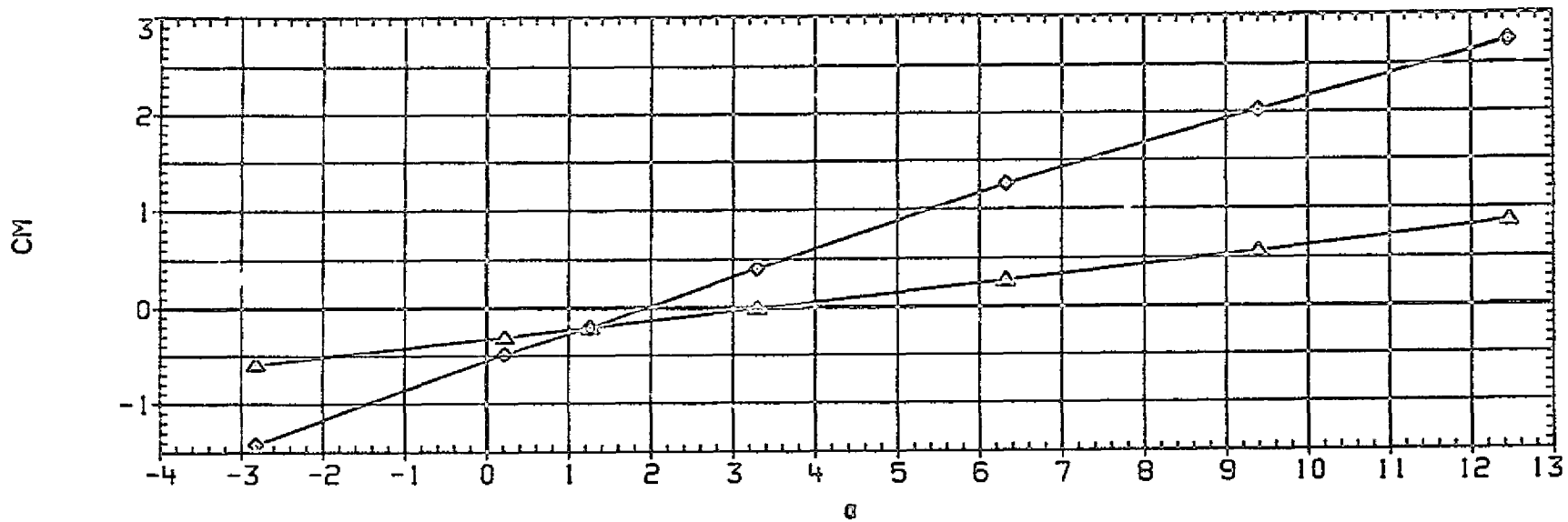


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ211) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CN | MACH | 1.928 | BETA | .000 |
| □ | CNB | D1 | -3.000 | D3 | -3.000 |
| ◇ | CM | D2 | -3.000 | D4 | -3.000 |
| △ | CMB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | | |

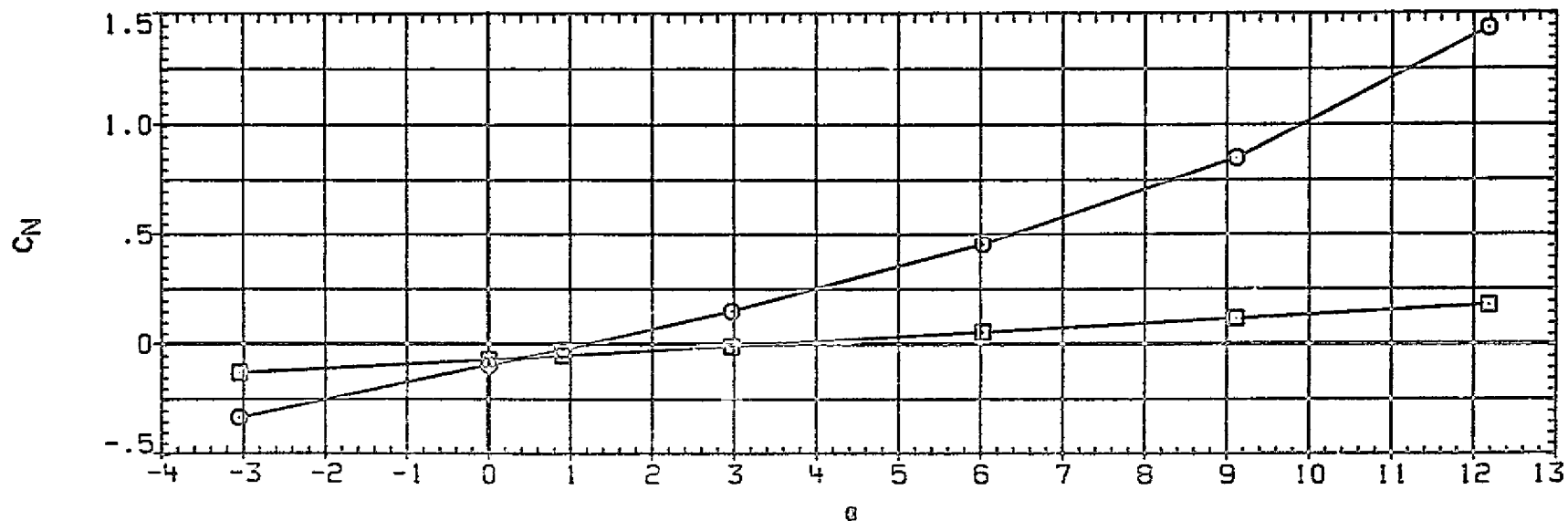
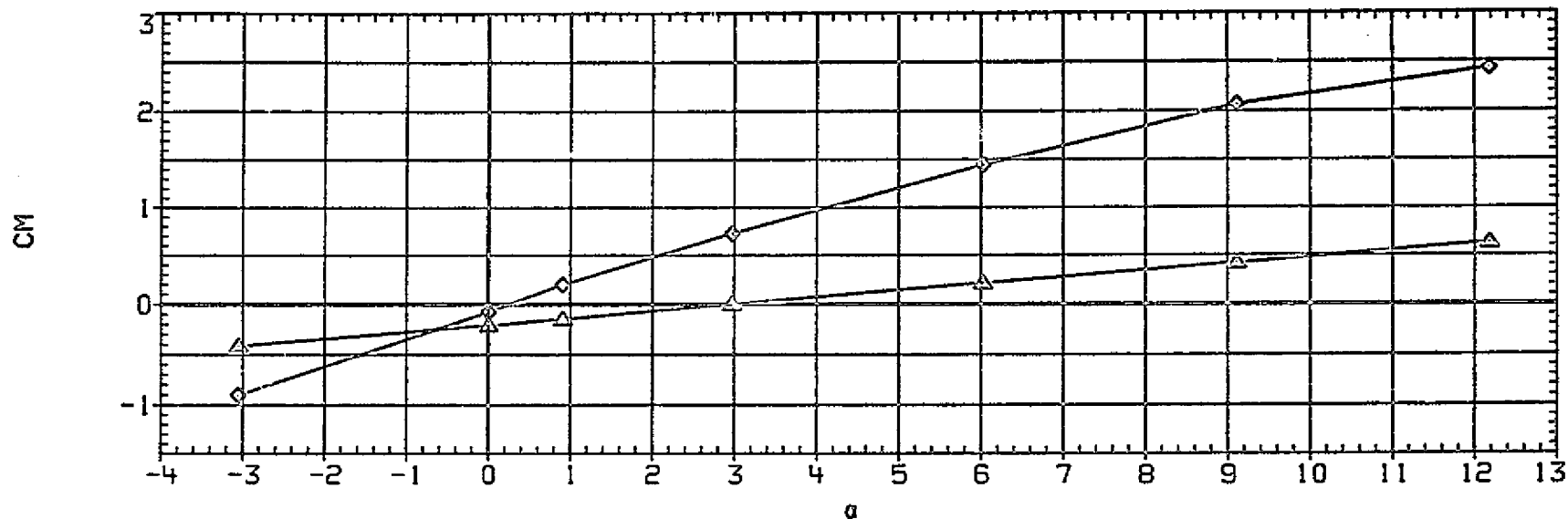


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ211) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CY | MACH | 1.501 | BETA | .000 |
| ◇ | CYB | D1 | -3.000 | D3 | -3.000 |
| ◇ | CYM | D2 | -3.000 | D4 | -3.000 |
| △ | CYB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | | |

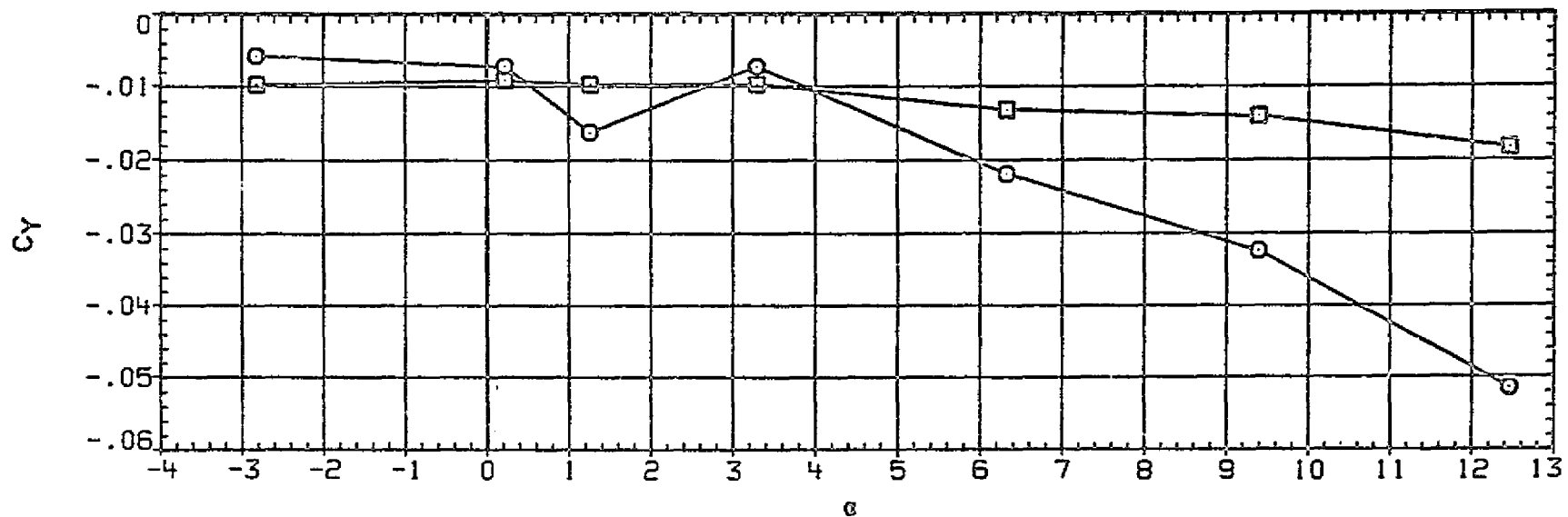
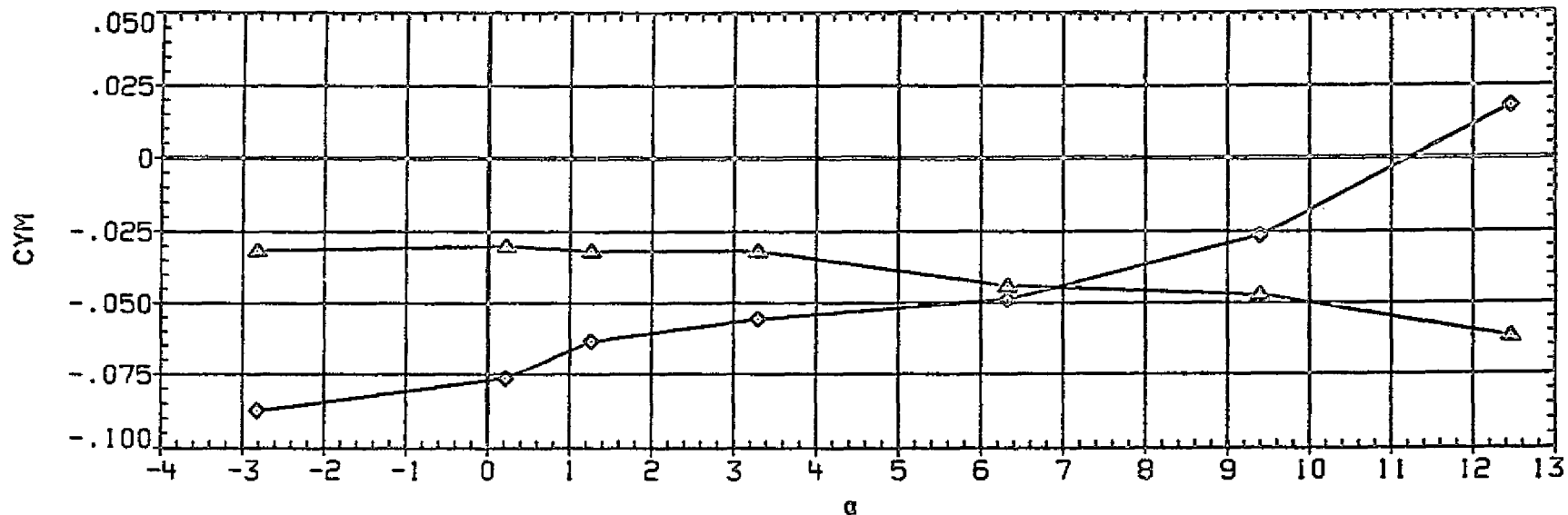


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIO

(BFZ211) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CY | MACH | 1.999 | BETA | .000 |
| □ | CYB | D1 | -3.000 | D3 | -3.000 |
| ◇ | CYM | D2 | -3.000 | D4 | -3.000 |
| △ | CYM3 | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | | |

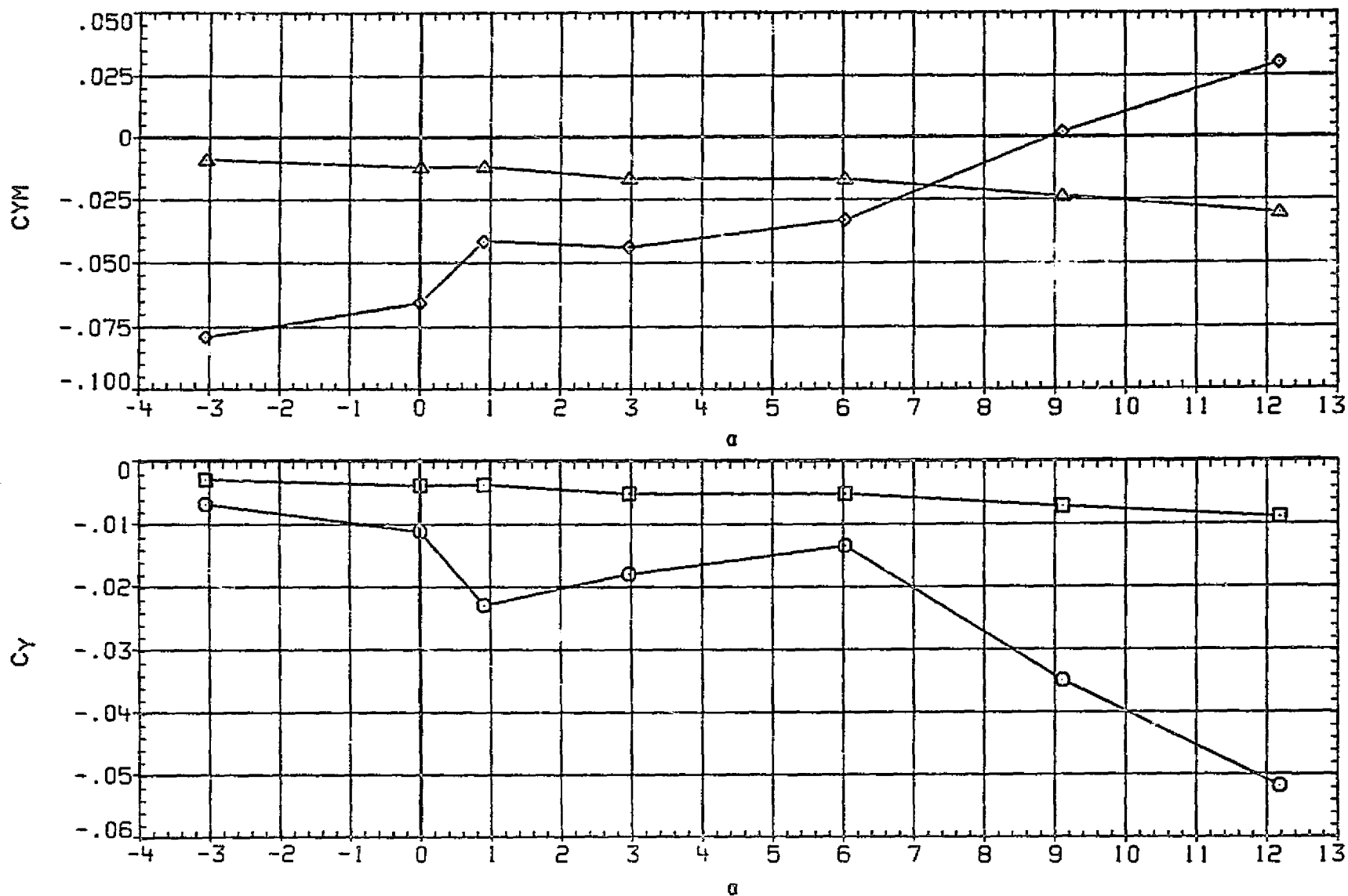


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ211) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CRM | MACH | 1.501 | BETA | .000 |
| ◇ | CRMS | D1 | -3.000 | D3 | -3.000 |
| ◇ | CA | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | | |

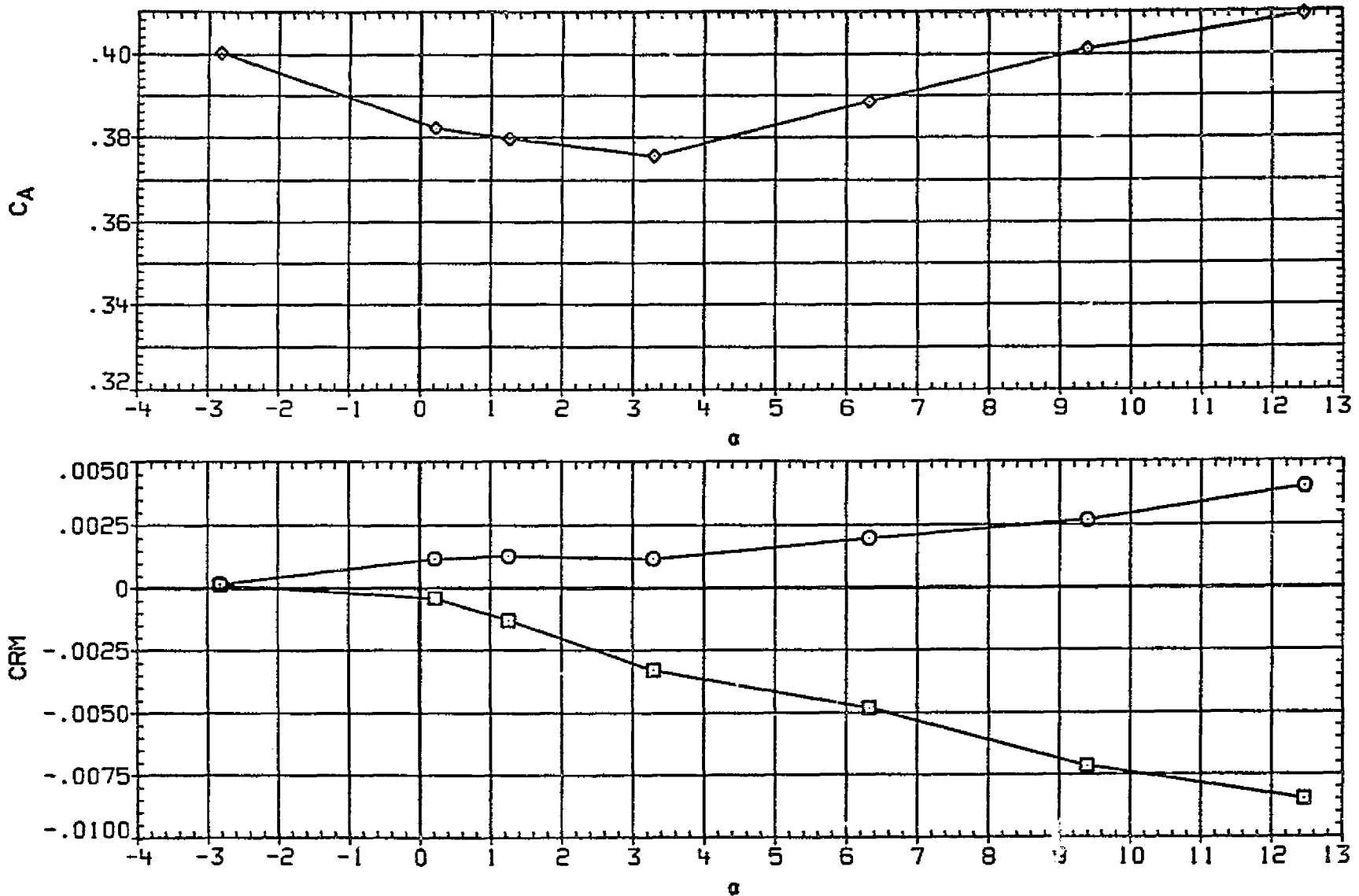


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ211) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|------|--------|
| ◇◇◇ | CRM | MACH | 1.998 | BETA | .000 |
| ◇◇◇ | CRM ₂ | D1 | -3.000 | D3 | -3.000 |
| ◇◇◇ | CA | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | | |

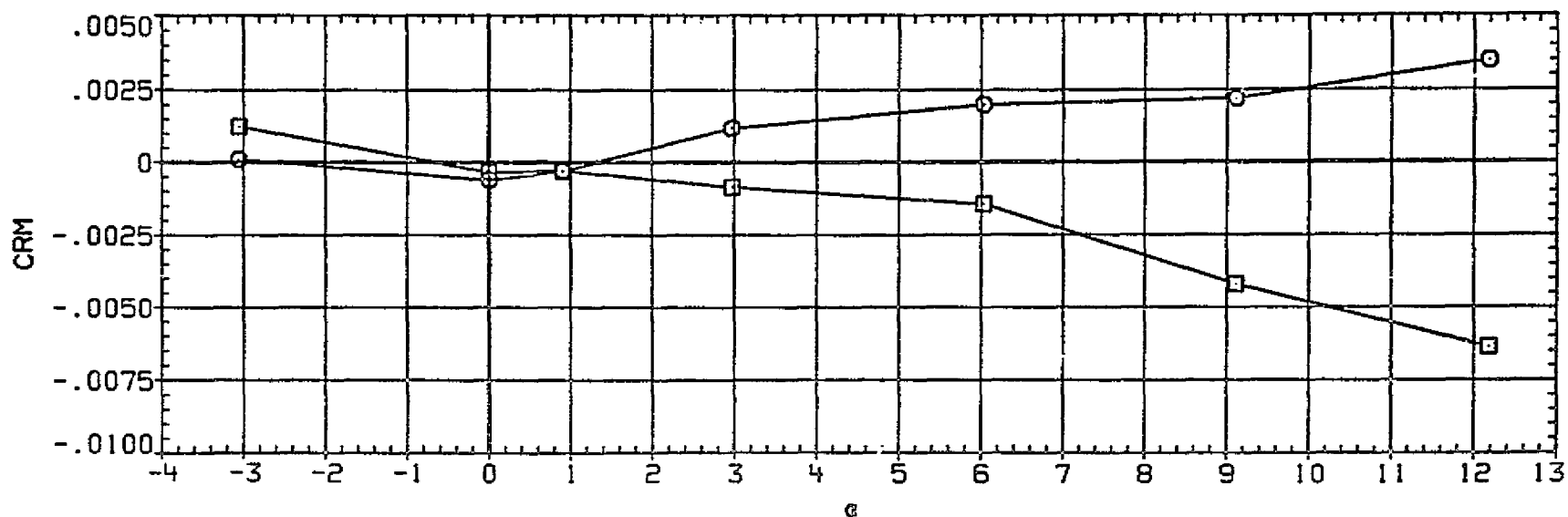
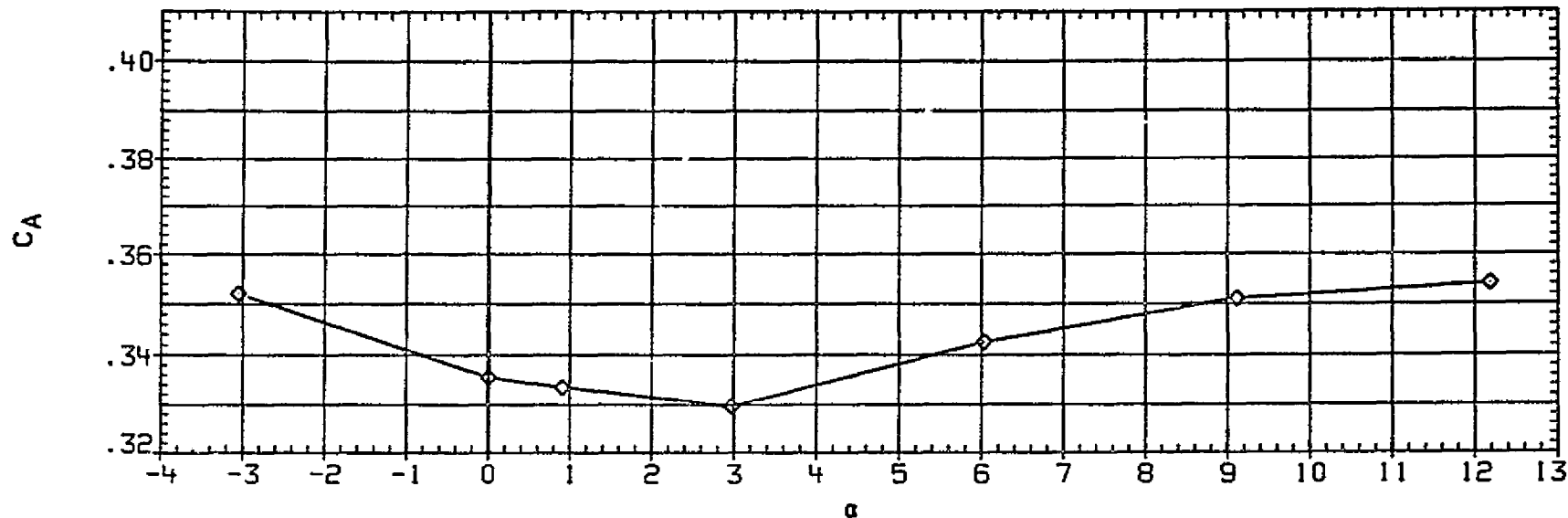


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ212) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|------|
| ○ | CN | MACH | 1.501 | BETA | .000 |
| □ | CNB | D1 | .000 | D3 | .000 |
| ◇ | CN | D2 | .000 | D4 | .000 |
| △ | CN | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | | |

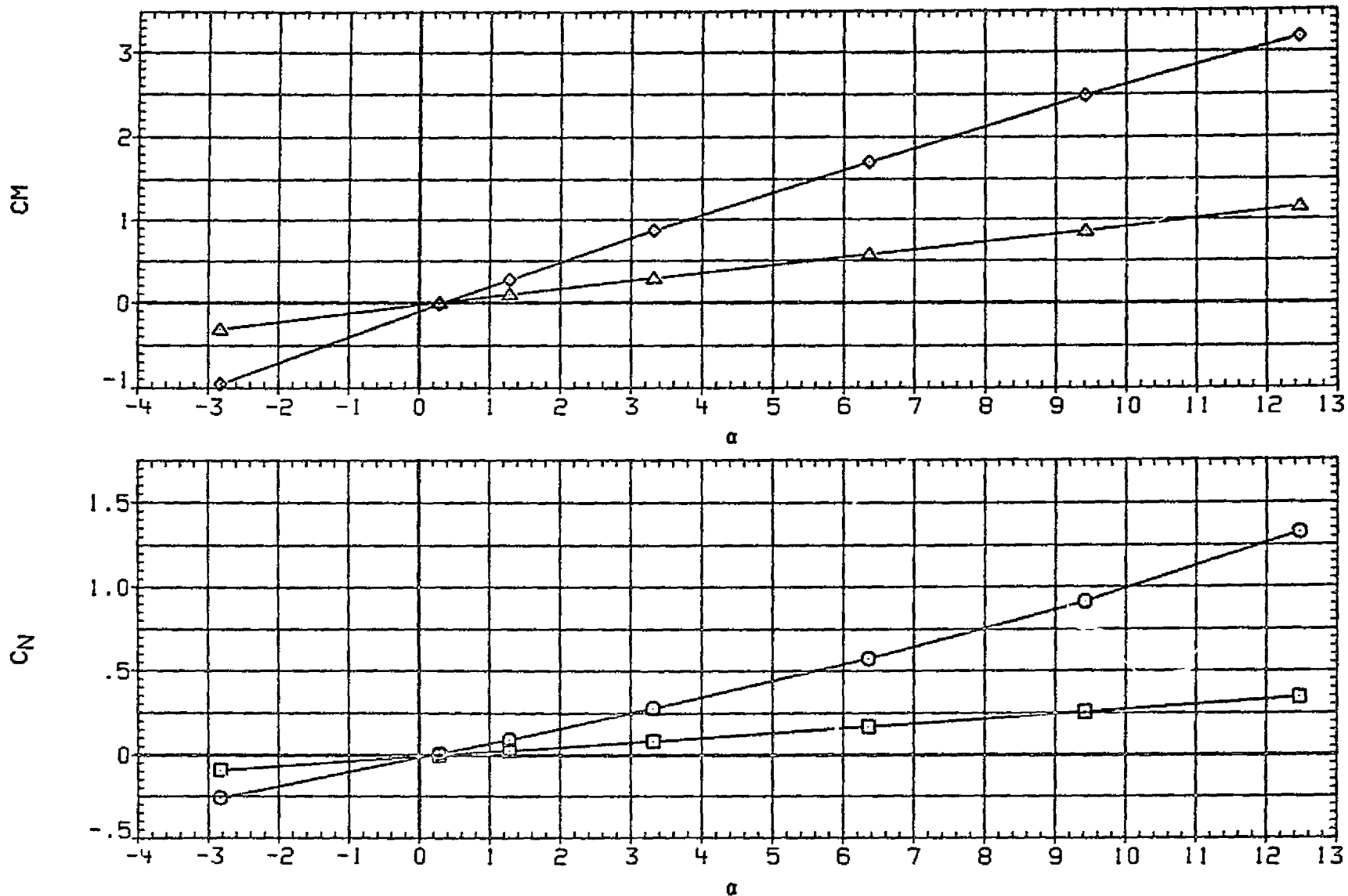


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ212) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|------|
| ◇ | CN | MACH | 1.992 | BETA | .000 |
| □ | CMB | D1 | .000 | D3 | .000 |
| △ | CH | D2 | .000 | D4 | .000 |
| | CMB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | | |

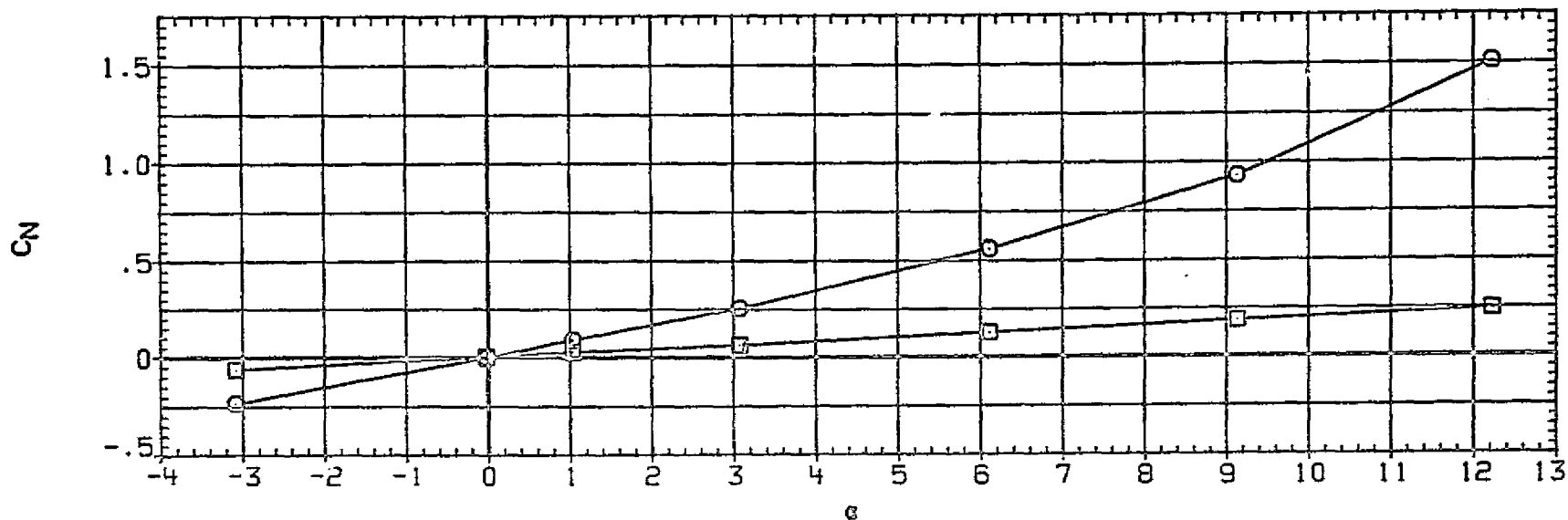
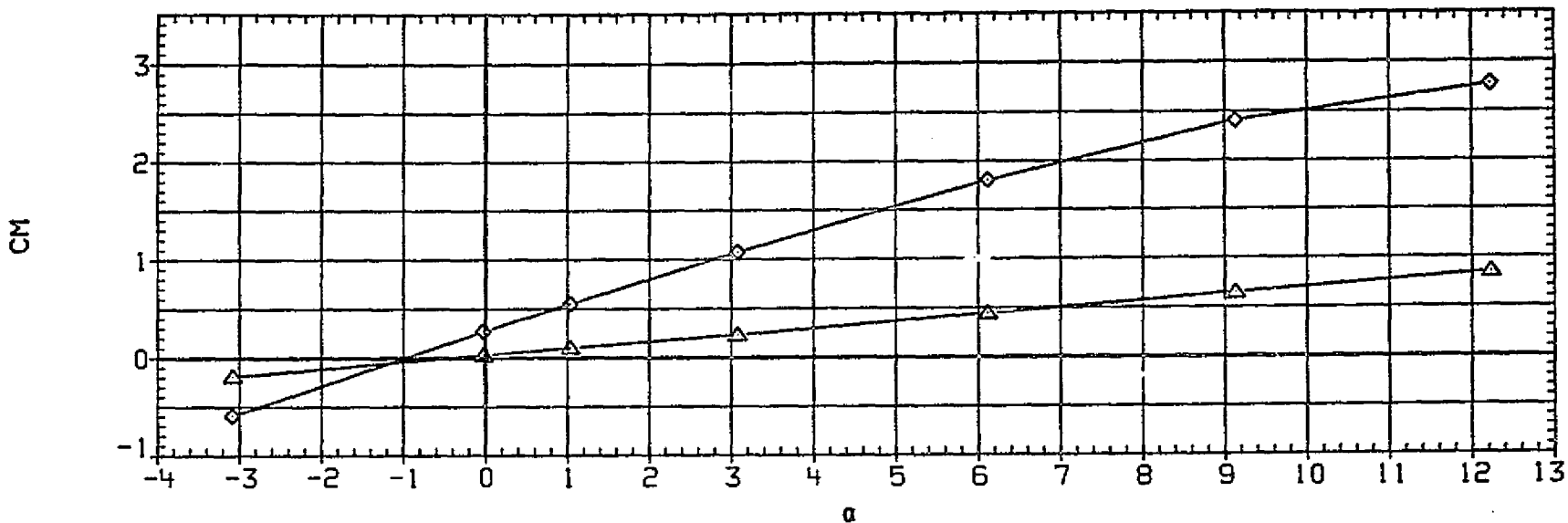


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ212) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|------|
| ◇ | CY | MACH | 1.501 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| △ | CYM | D2 | .000 | D4 | .000 |
| | CYB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | | |

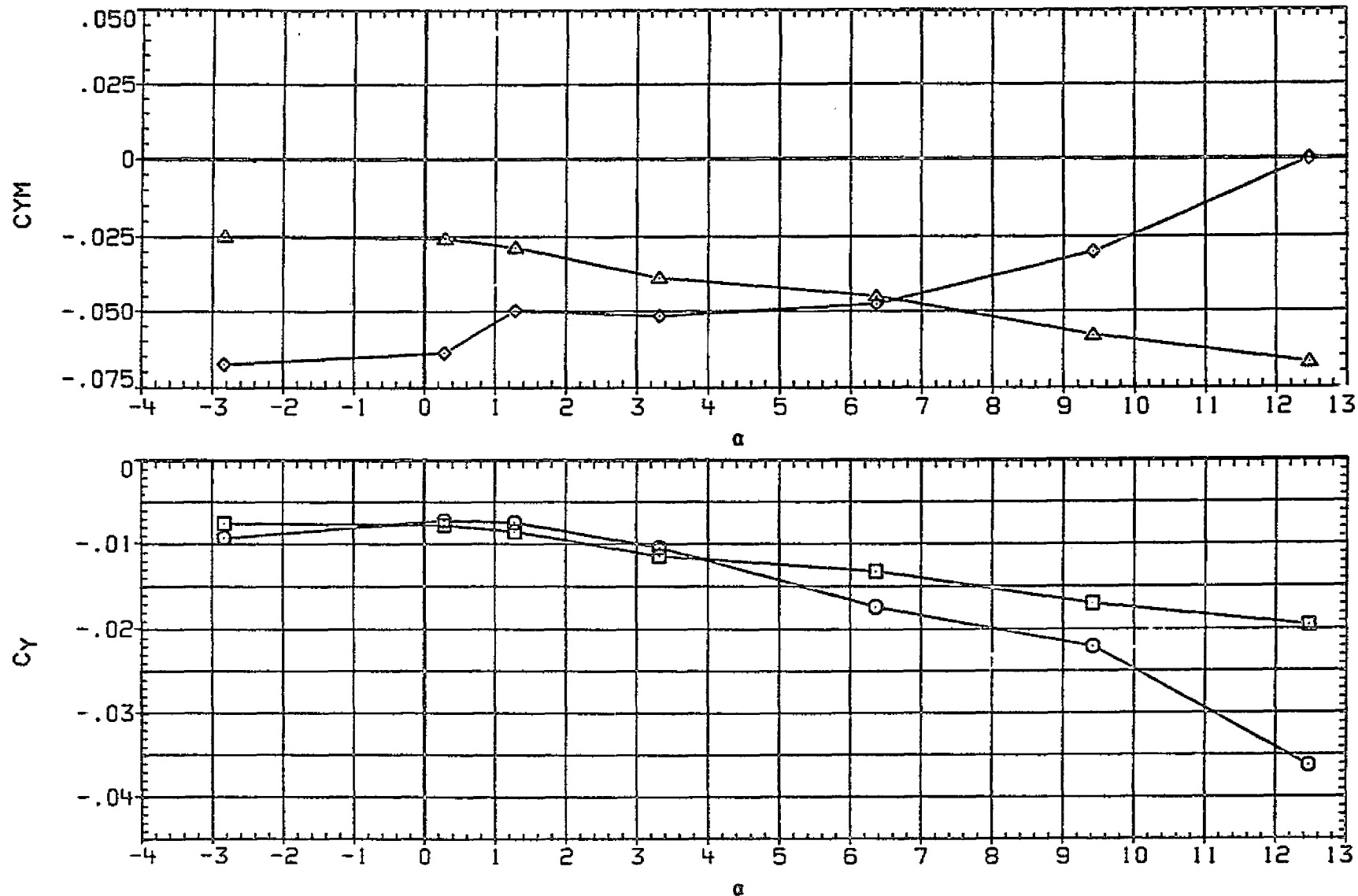


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ212) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|------|
| ○ | CY | MACH | 1.992 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | .000 | D4 | .000 |
| △ | CYB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | | |

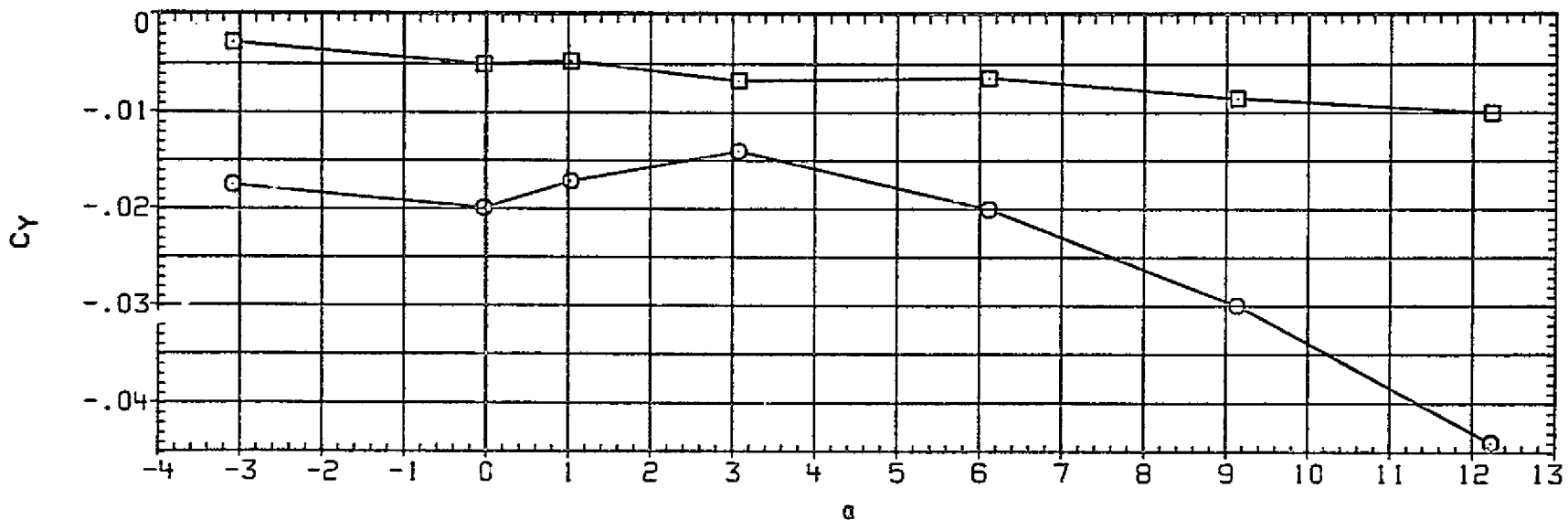
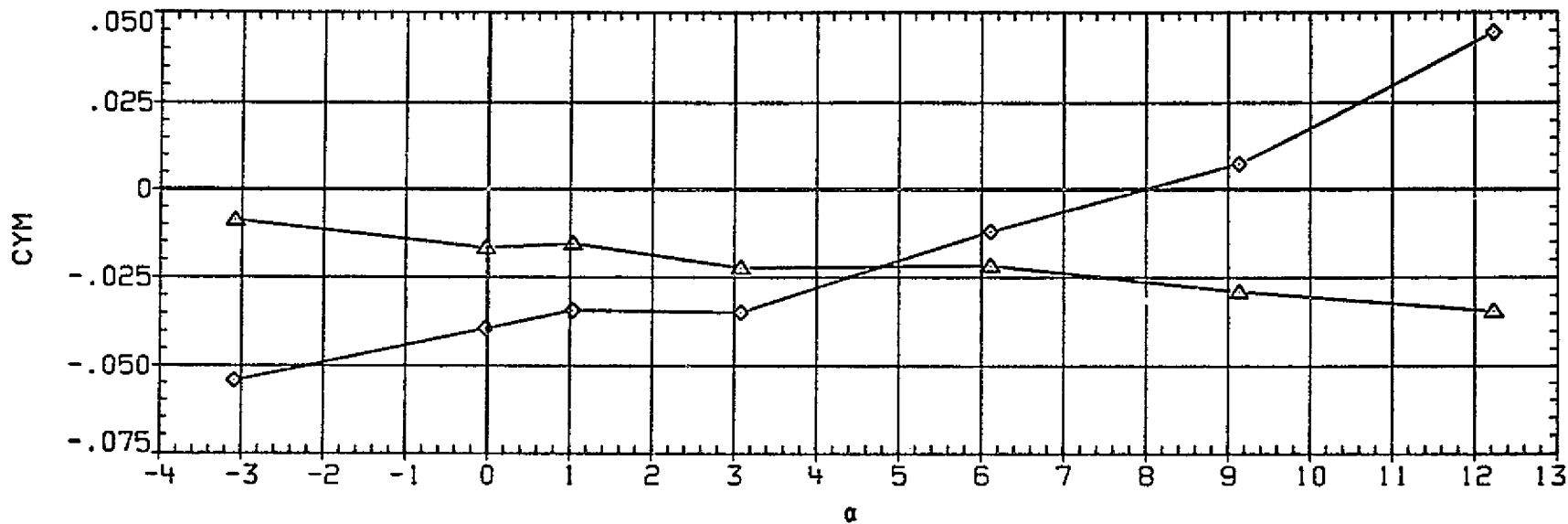


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ212) CONFIGURATION 12 (BN14)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|------|------|
| ◇ | CRM | MACH | 1.501 | BETA | .000 |
| ◇ | CRM B | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | | |

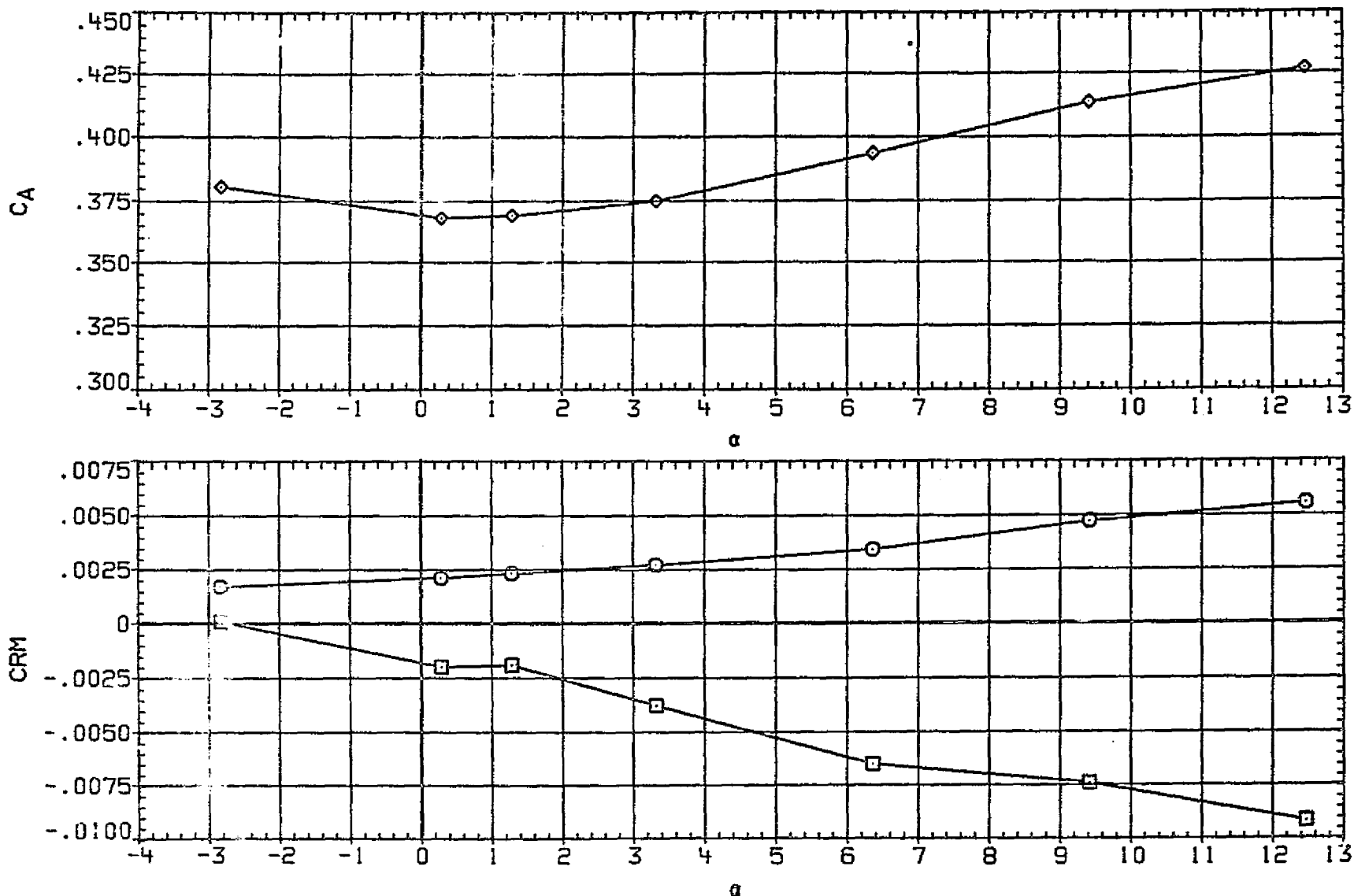


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(RZ212) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|------|------|
| ◇◇◇ | CRM | MACH | 1.992 | BETA | .000 |
| | CRM _B | D1 | .000 | D3 | .000 |
| | CA | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | | |

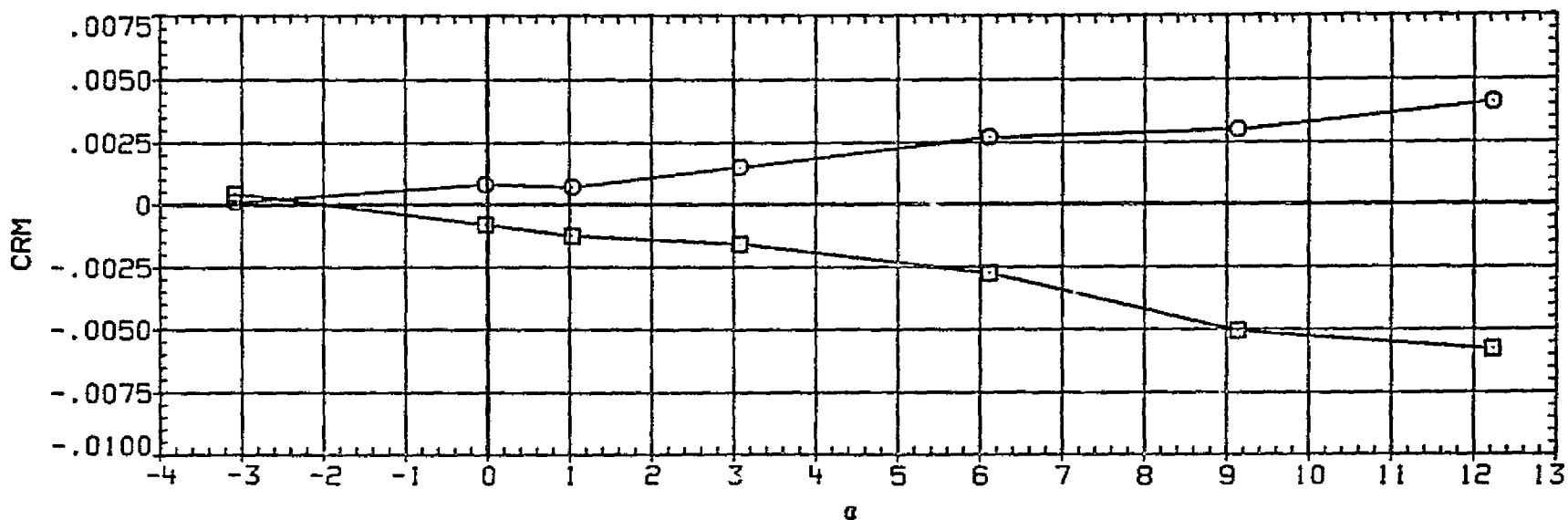
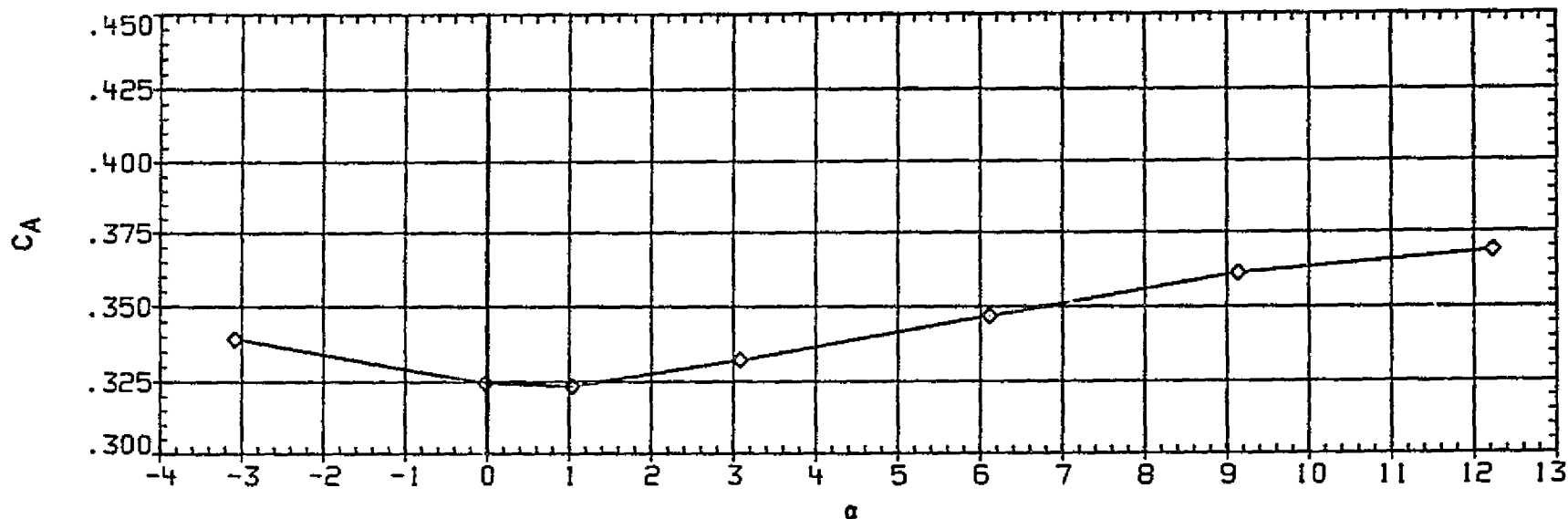


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ213) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| □ | CN | MACH | 1.500 | EETA | .000 |
| ◇ | CMB | D1 | 1.000 | D3 | 1.000 |
| △ | CM | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | | |

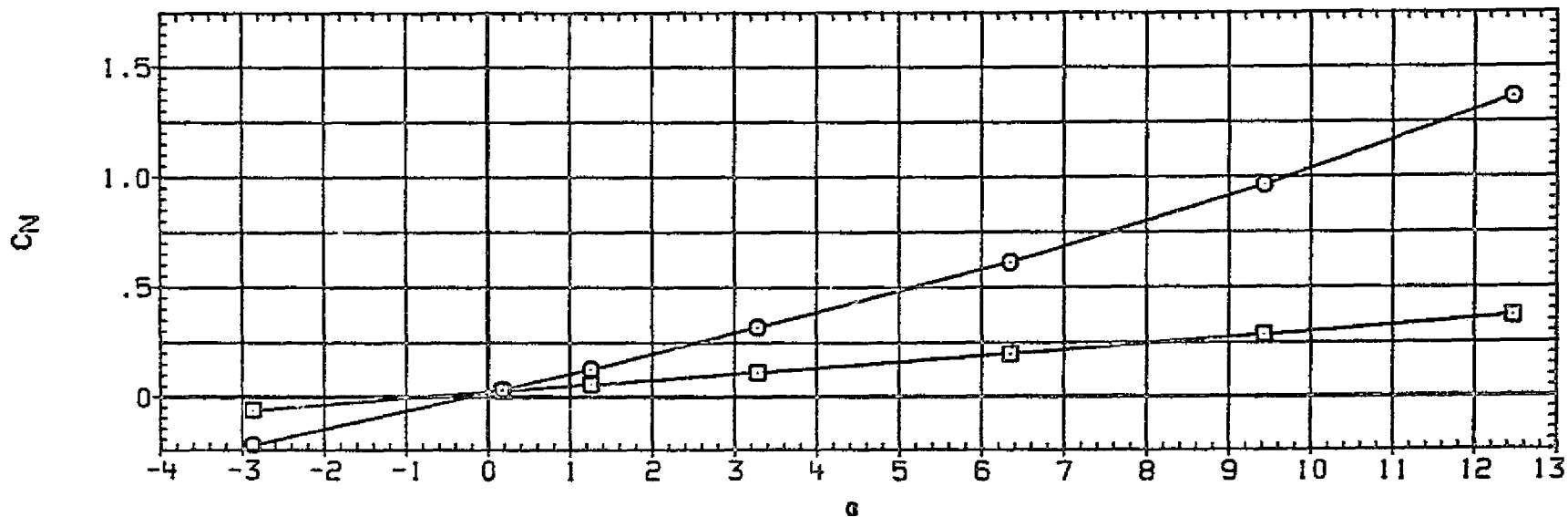
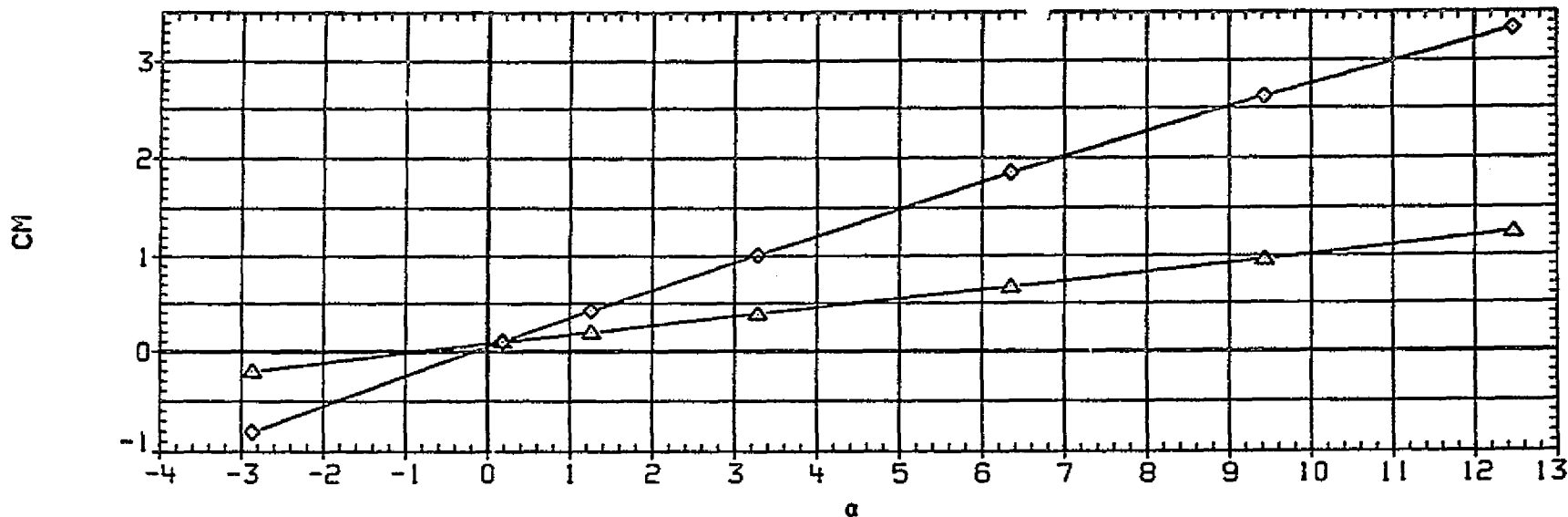


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ213) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CN | MACH | 1.995 | BETA | .000 |
| ◇ | CNB | D1 | 1.000 | D3 | 1.000 |
| ◇ | CM | D2 | 1.000 | D4 | 1.000 |
| △ | CMB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | | |

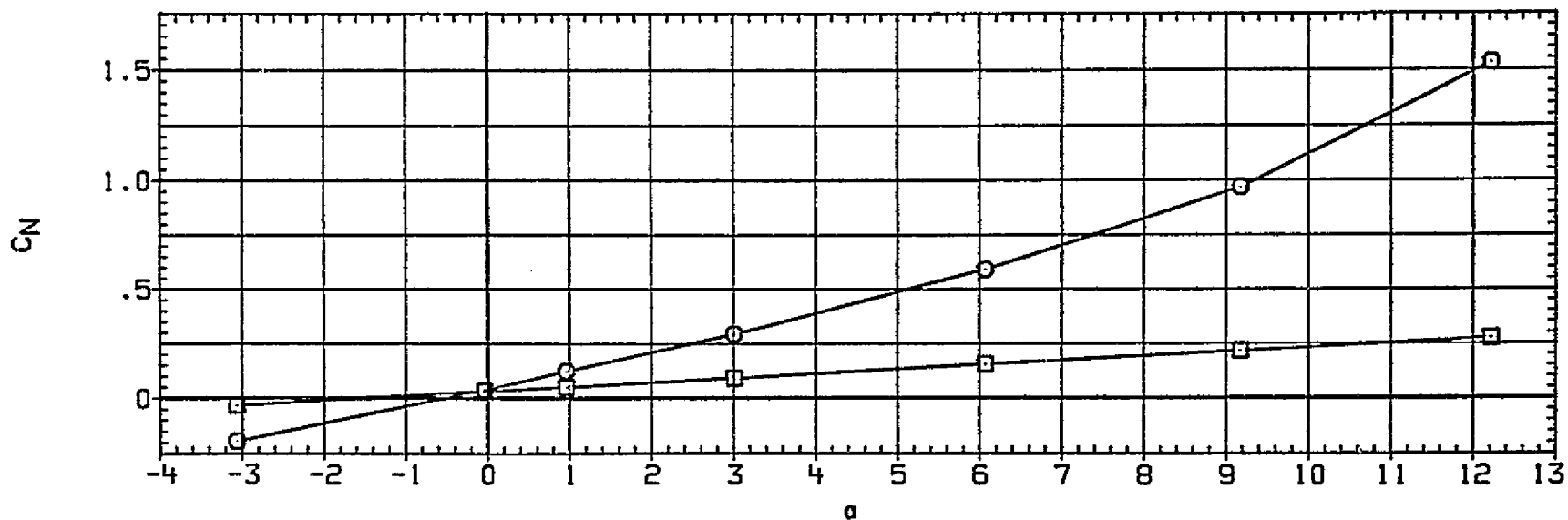
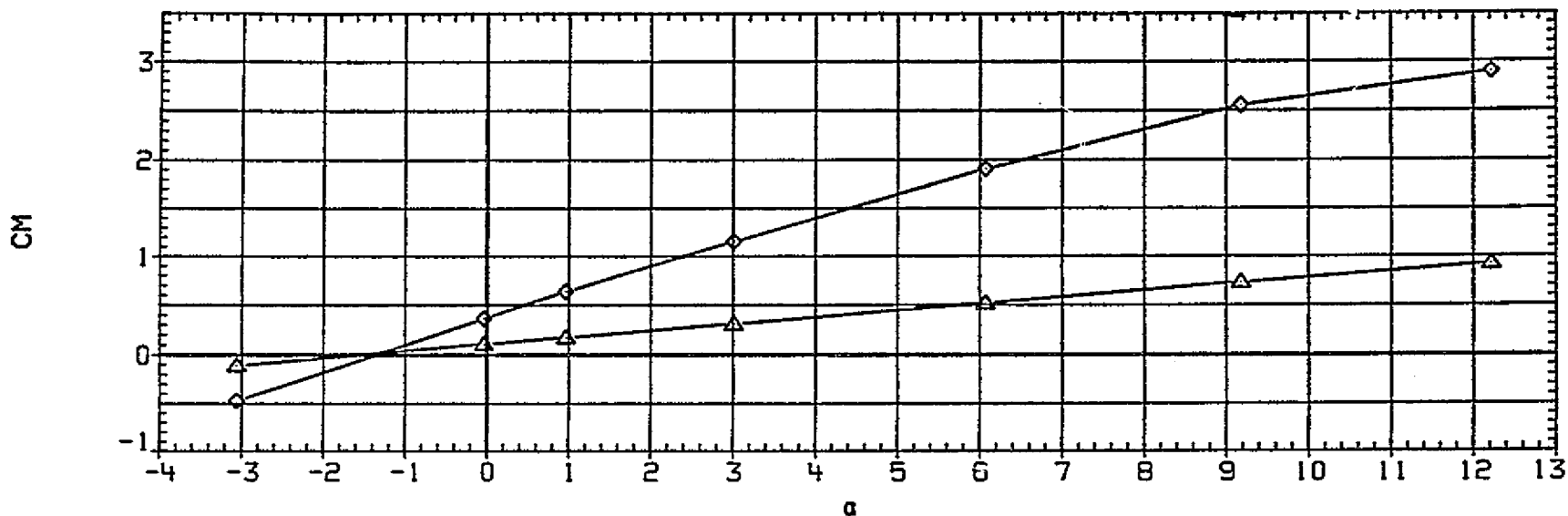


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ213) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CY | MACH | 1.500 | BETA | .000 |
| □ | CYB | D1 | 1.000 | D3 | 1.000 |
| ◇ | CYM | D2 | 1.000 | D4 | 1.000 |
| △ | CYB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | | |

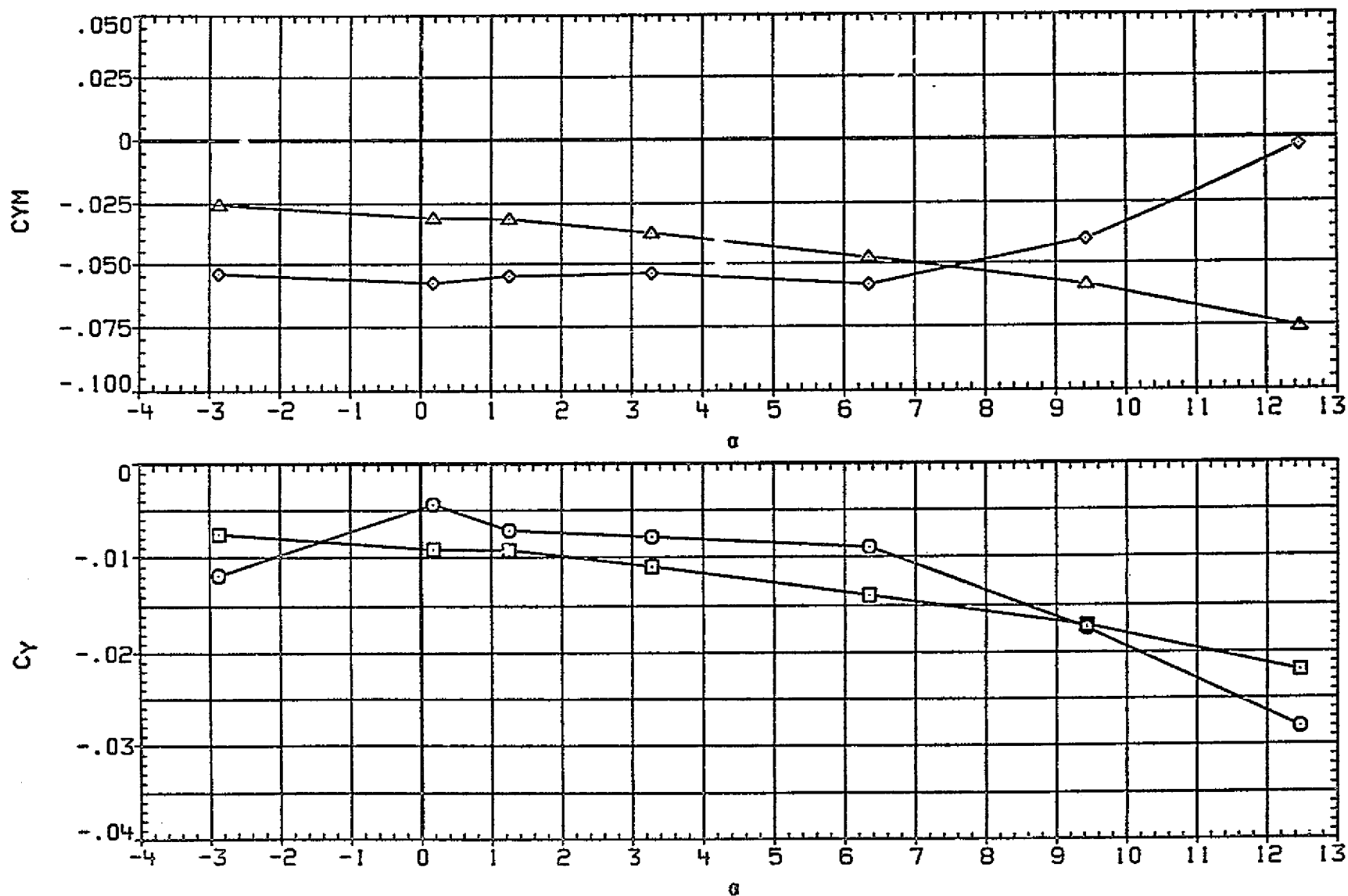


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ213) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CY | MACH | 1.995 | BETA | .000 |
| ◇ | CYB | D1 | 1.000 | D3 | 1.000 |
| ◇ | CYM | D2 | 1.000 | D4 | 1.000 |
| △ | CYB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | | |

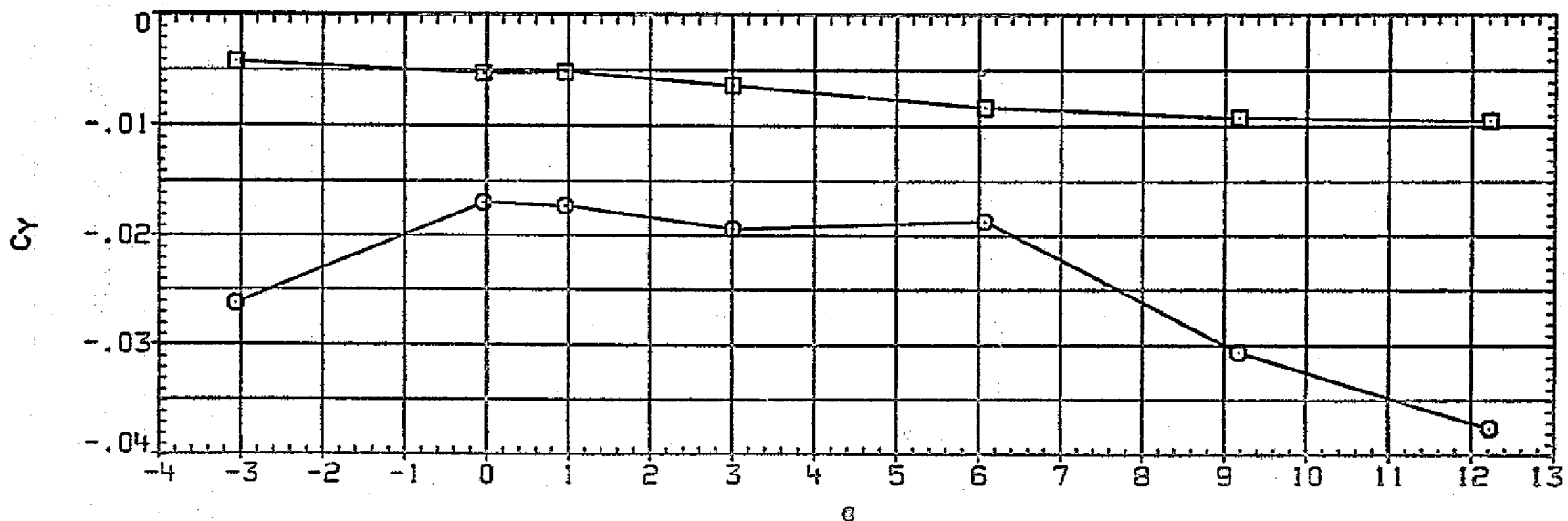
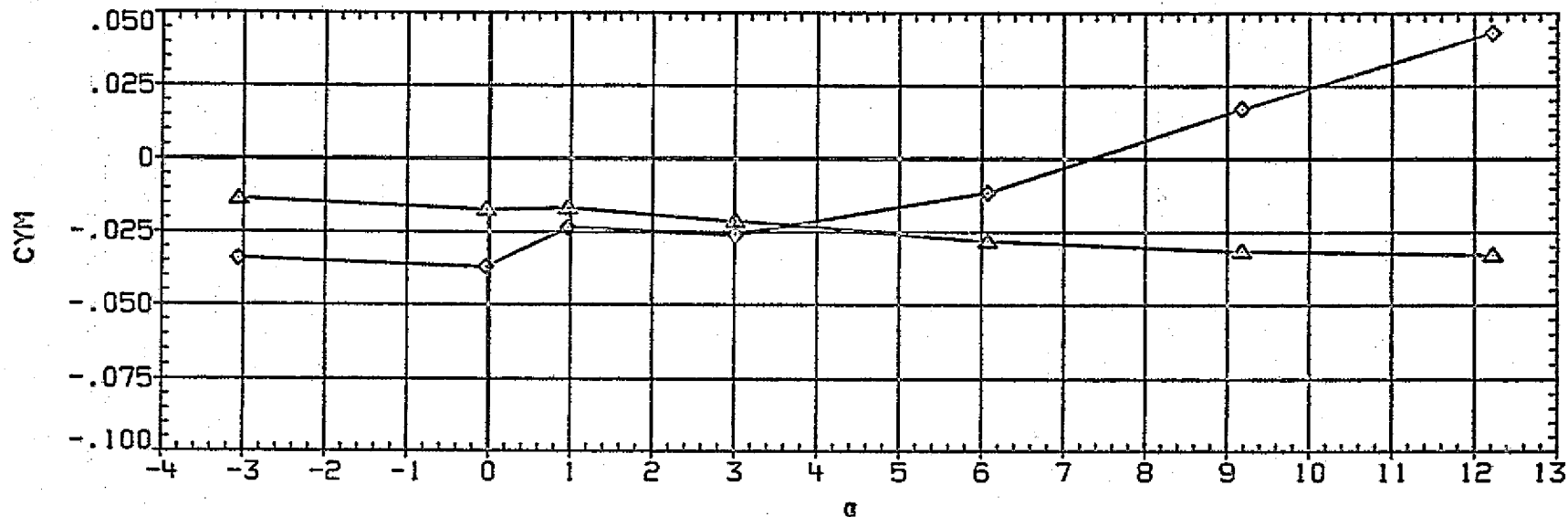


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ213) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CRM | HACH | 1.500 | BETA | .000 |
| ◇ | CRM2 | D1 | 1.000 | D3 | 1.000 |
| ◇ | CA | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHT-C | 45.000 | | |

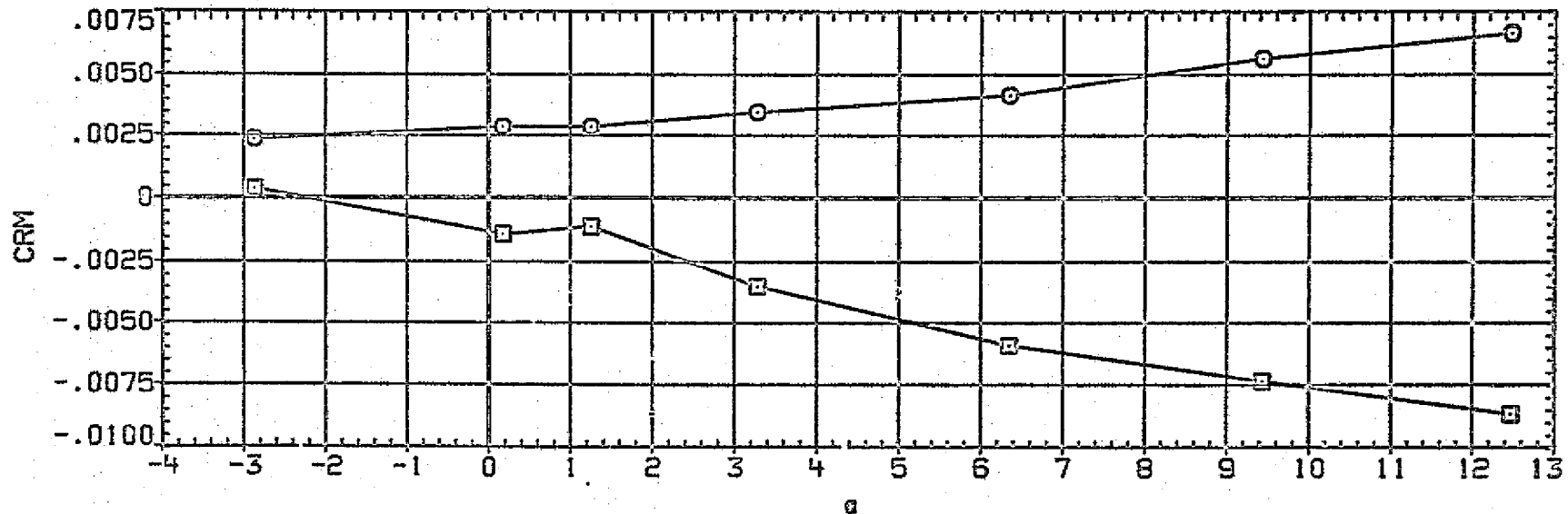
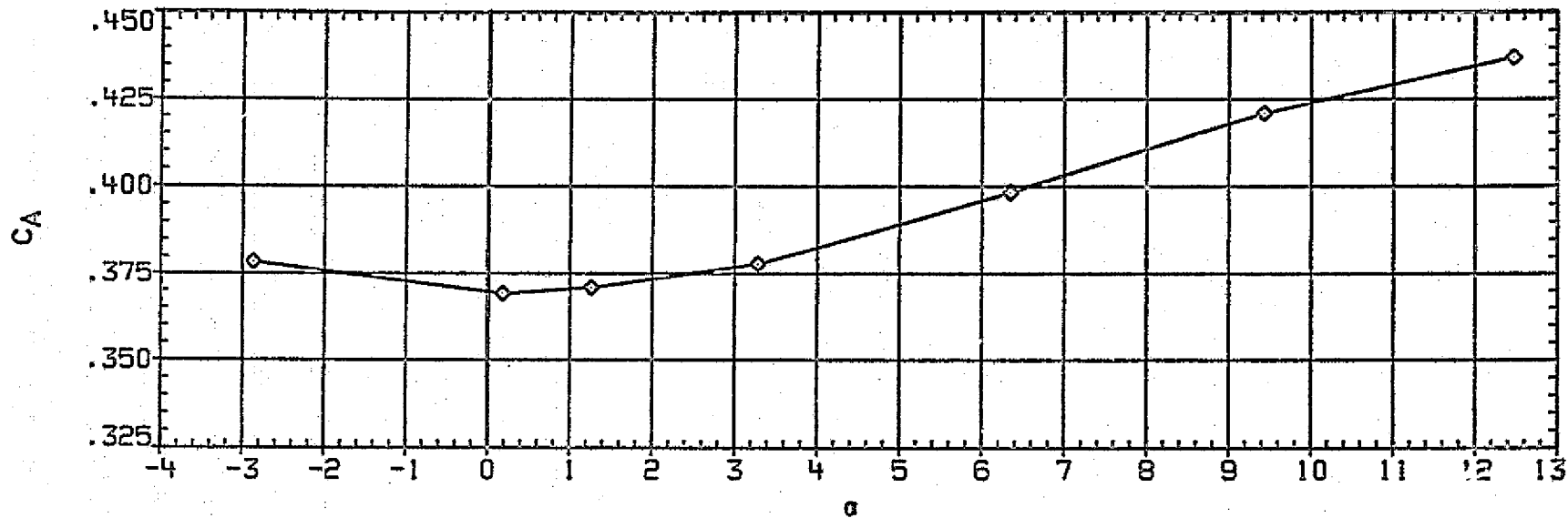


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ213) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CRM | MACH | 1.995 | ETA | .000 |
| □ | CRM | D1 | 1.000 | D3 | 1.000 |
| ◇ | CA | D2 | 1.000 | D4 | 1.000 |
| | | D1-S | 1.000 | D2-4 | 1.000 |
| | | FX1-C | 45.000 | | |

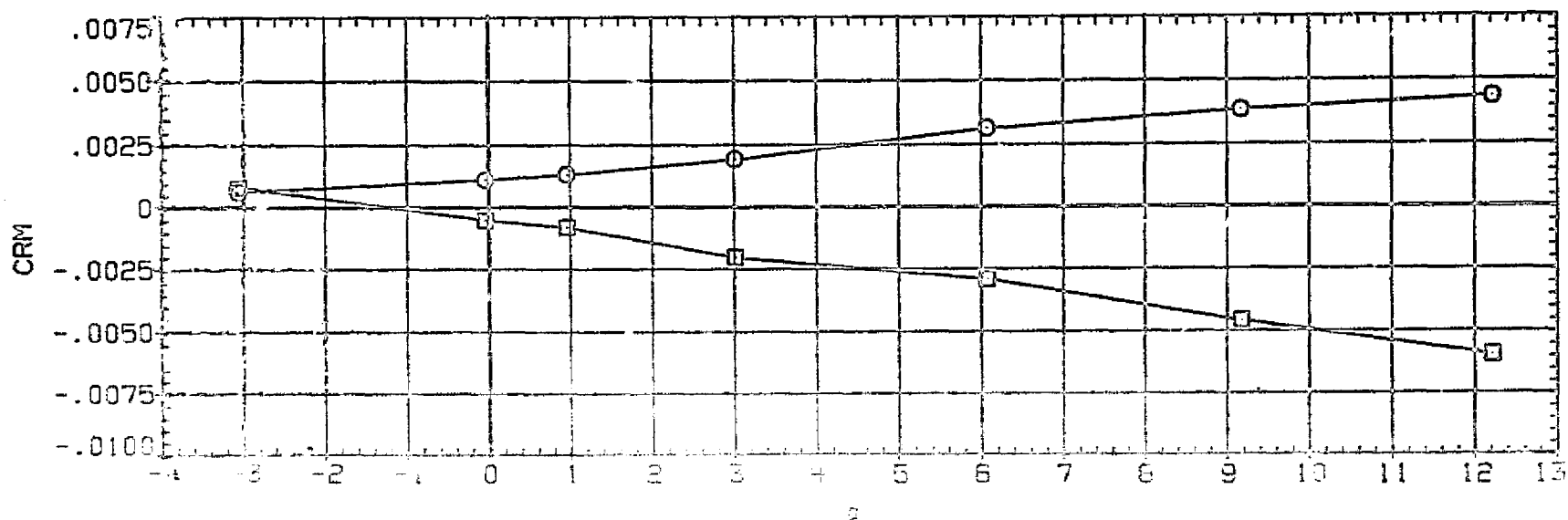
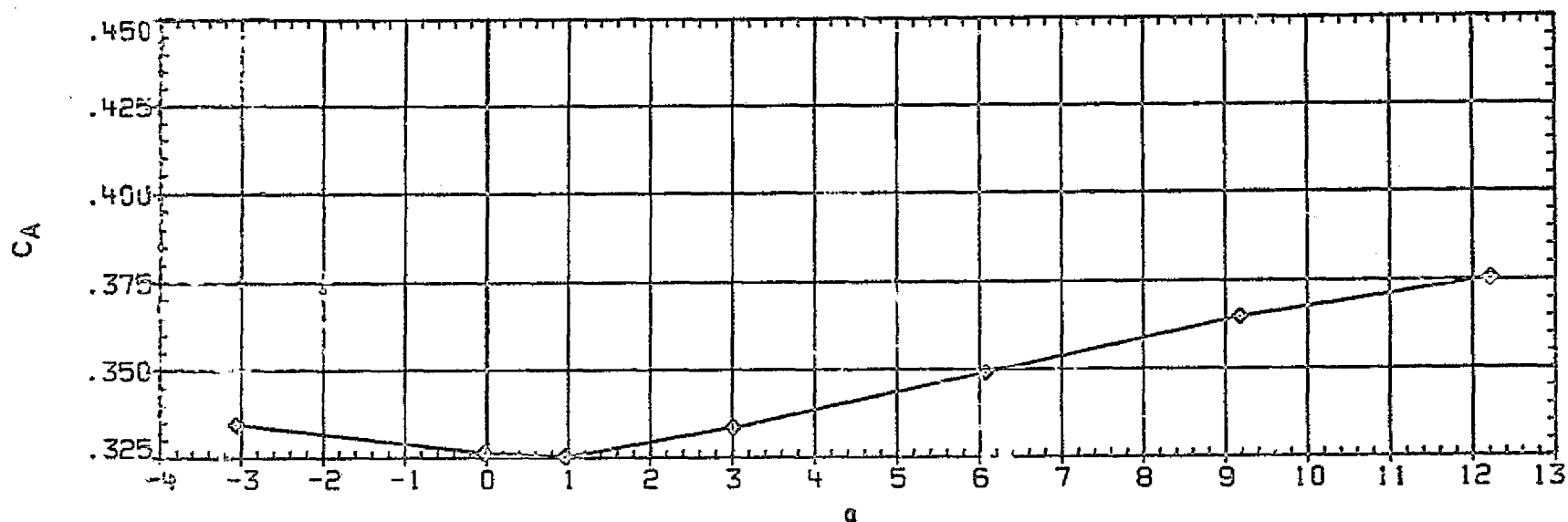


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE2214) CONFIGURATION 12 (BN14)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CN | MACH | 1.504 | ETA | .000 |
| □ | CN3 | D1 | 3.000 | D3 | 3.000 |
| ◇ | CM | D2 | 3.000 | D4 | 3.000 |
| △ | CM3 | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PNT-C | 45.000 | | |

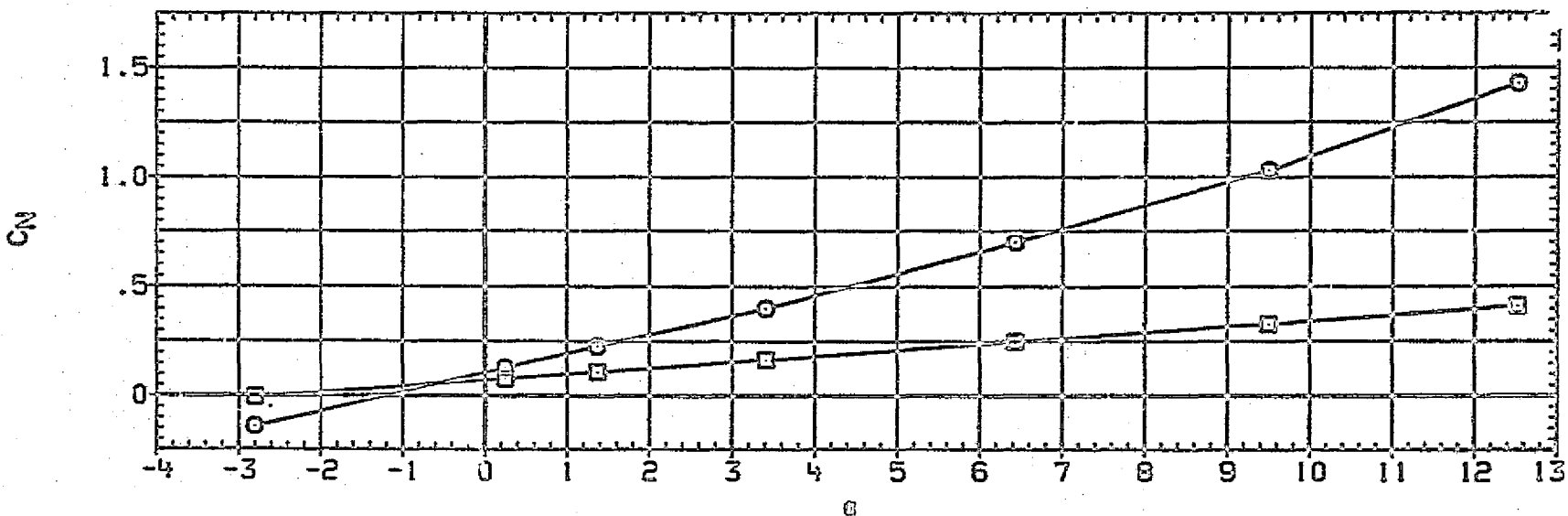
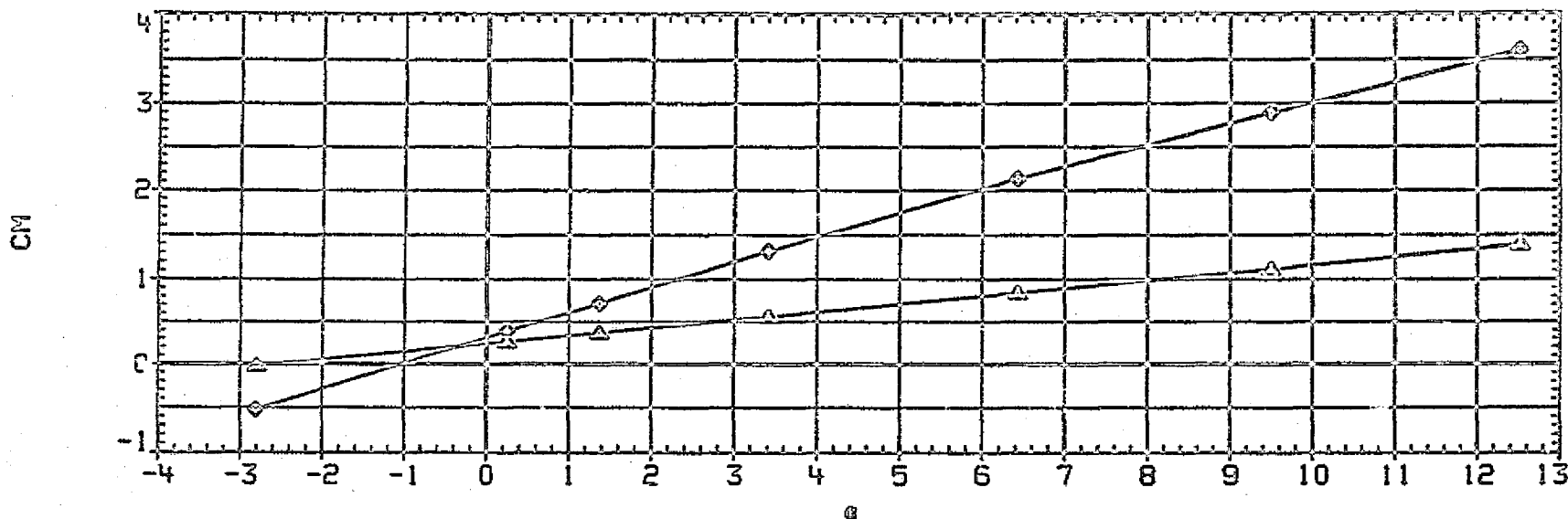


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ214) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CN | MACH | 1.995 | BETA | .000 |
| □ | CNB | D1 | 3.000 | D3 | 3.000 |
| △ | CM | D2 | 3.000 | D' | 3.000 |
| | CHS | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | | |

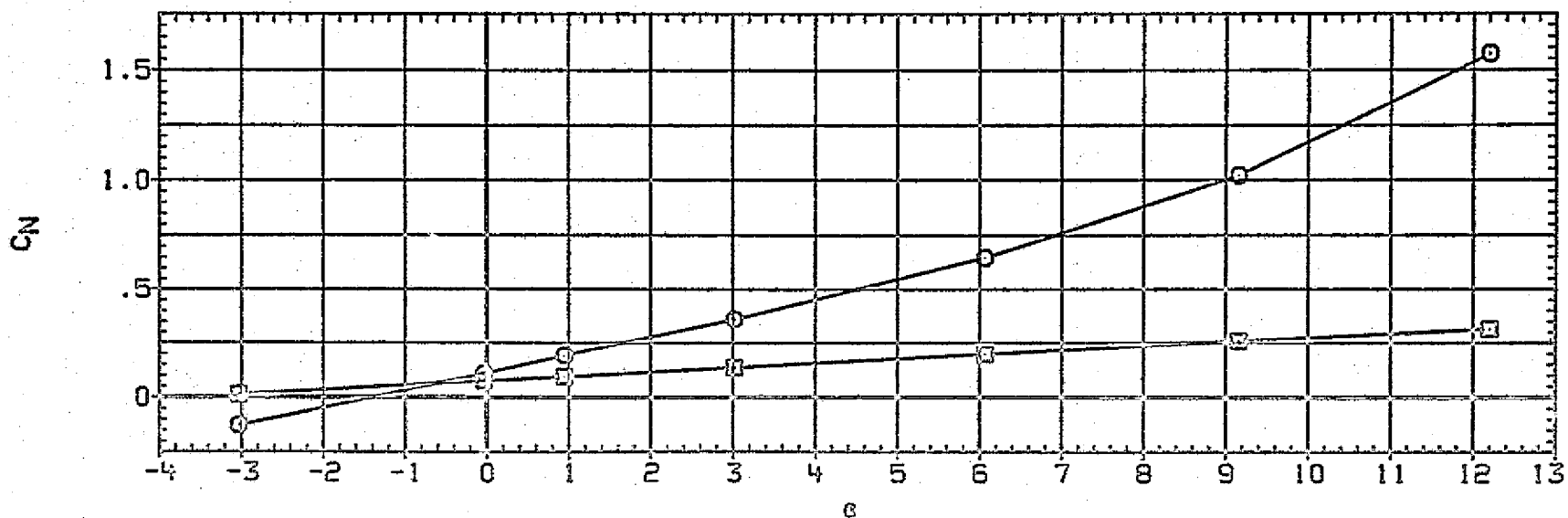
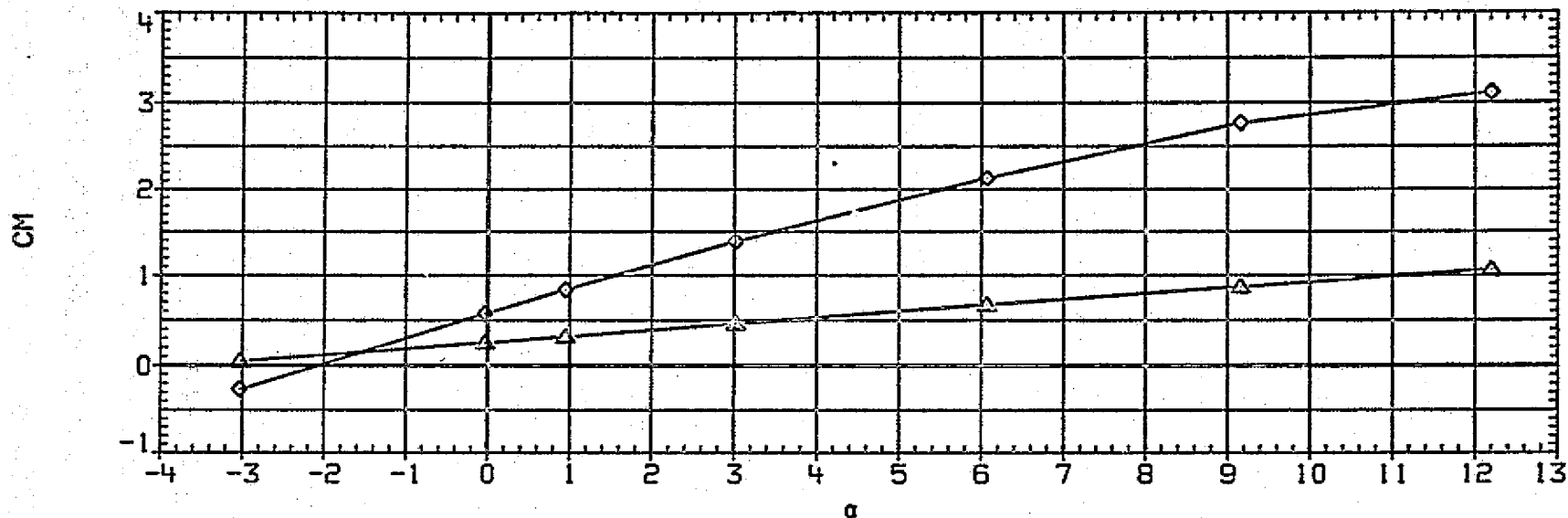


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ214) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| □ | CY | MACH | 1.504 | EETA | .000 |
| ○ | CYB | D1 | 3.000 | D3 | 3.000 |
| △ | CYM | D2 | 3.000 | D4 | 3.000 |
| | CYK3 | D1-3 | 3.000 | D2-4 | 3.000 |
| | | RHI-C | 45.000 | | |

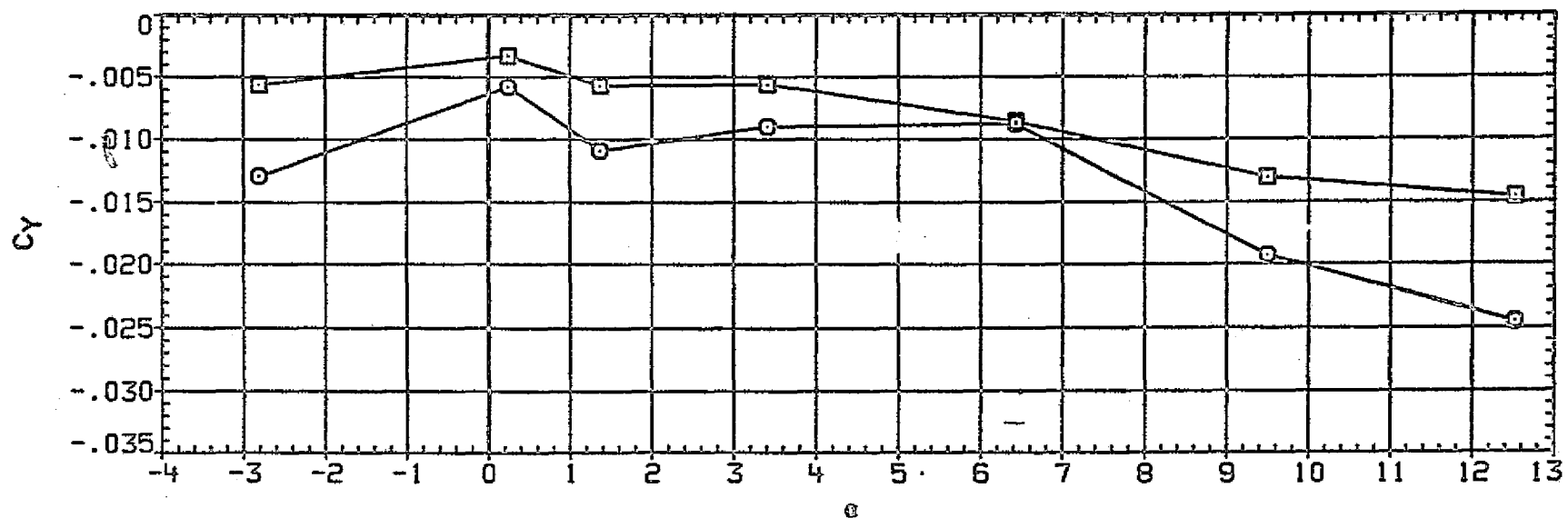
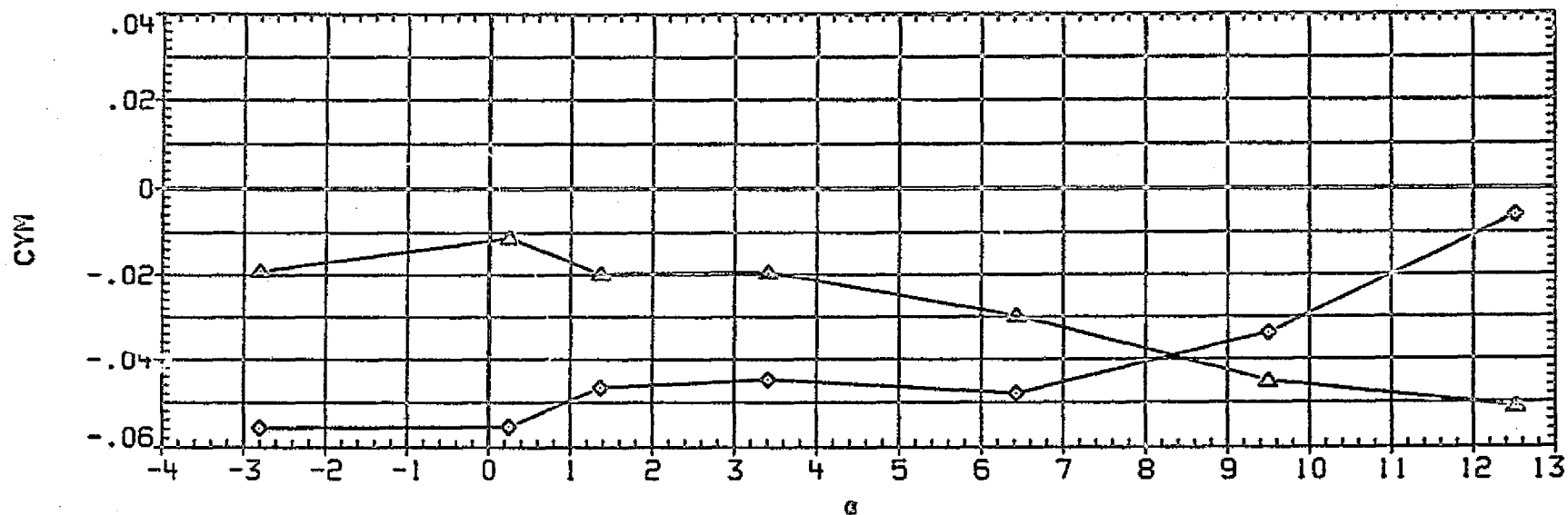


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ214) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CY | MACH | 1.995 | BETA | .009 |
| □ | CYB | D1 | 3.000 | D3 | 3.000 |
| △ | CYB | D2 | 3.000 | D4 | 3.000 |
| | CYB | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | | |

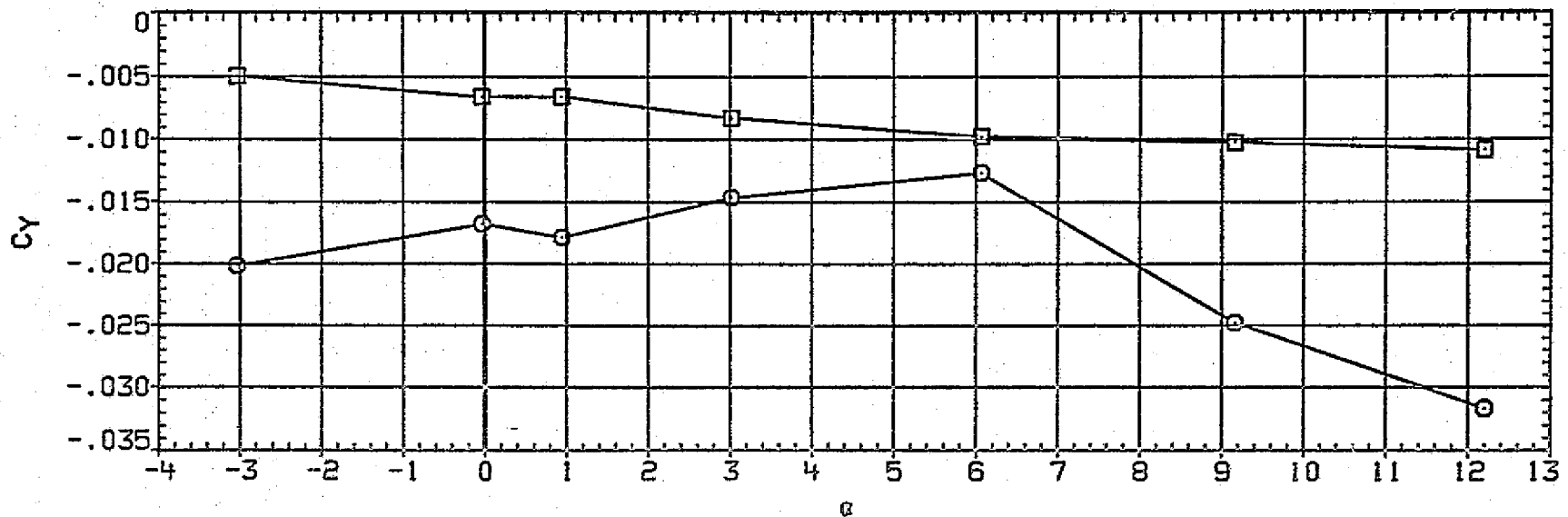
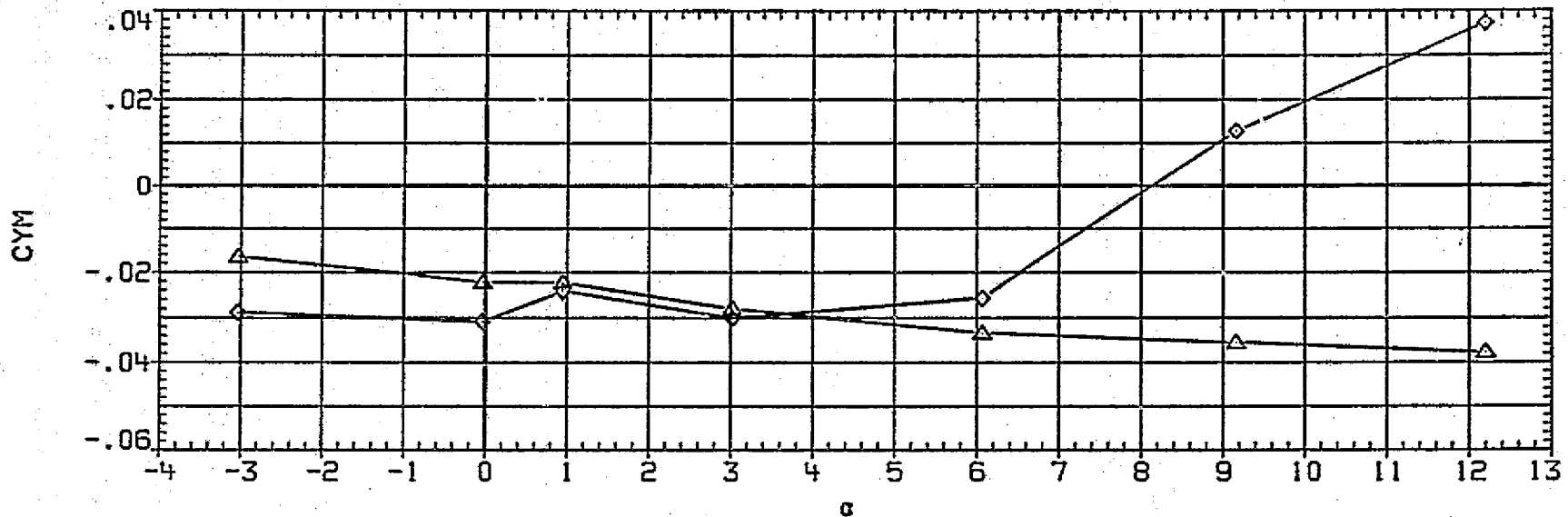


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ214) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|------|-------|
| ◇ | CRM | MACH | 1.504 | BETA | .000 |
| ◇ | CRM'S | D1 | 3.000 | D3 | 3.000 |
| ◇ | CA | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | | |

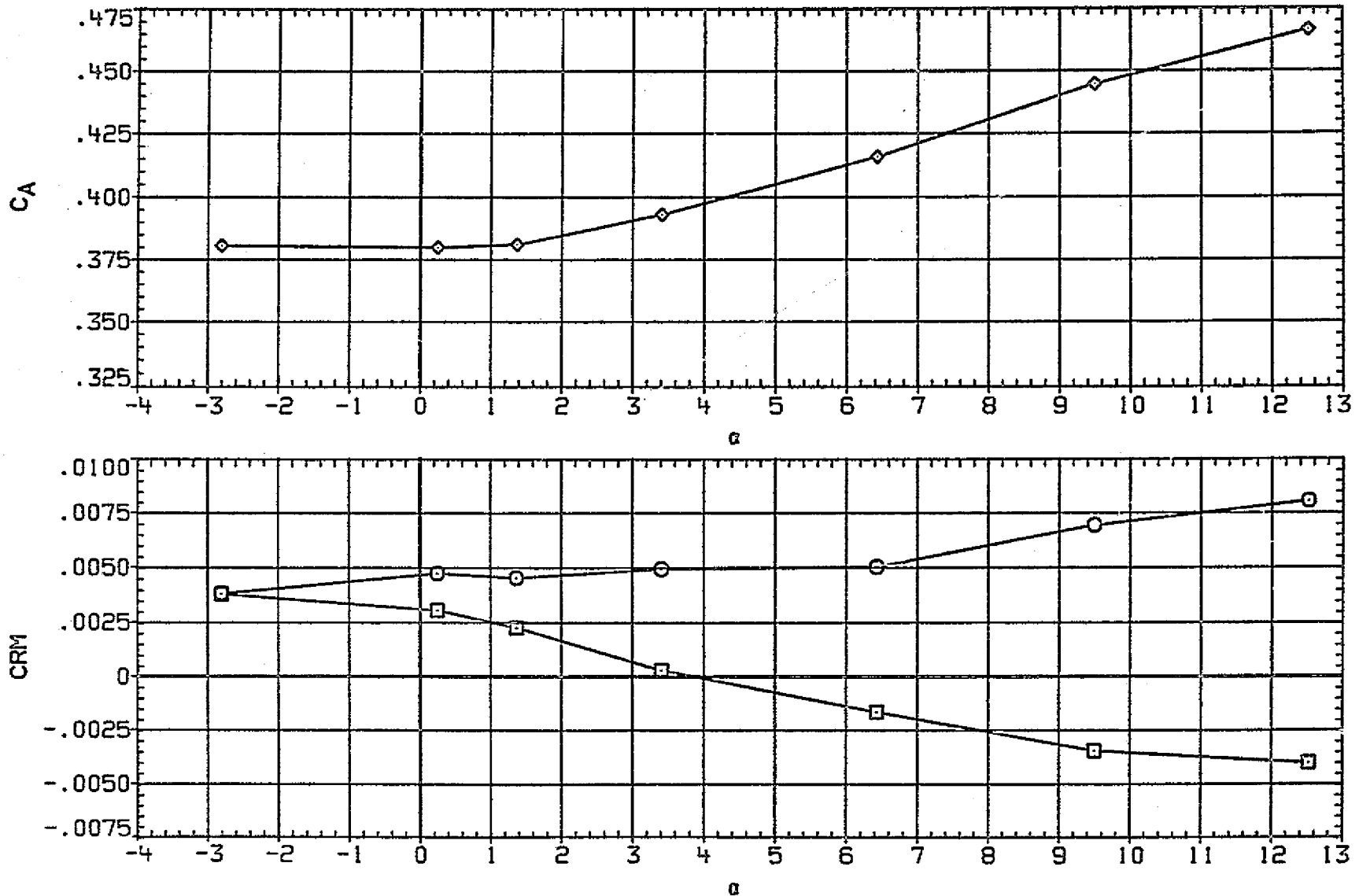


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ214) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|------|-------|
| ◇ | CRM | MACH | 1.995 | BETA | 3.000 |
| ○ | CRM _B | D1 | 3.000 | D3 | 3.000 |
| □ | CA | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | | |

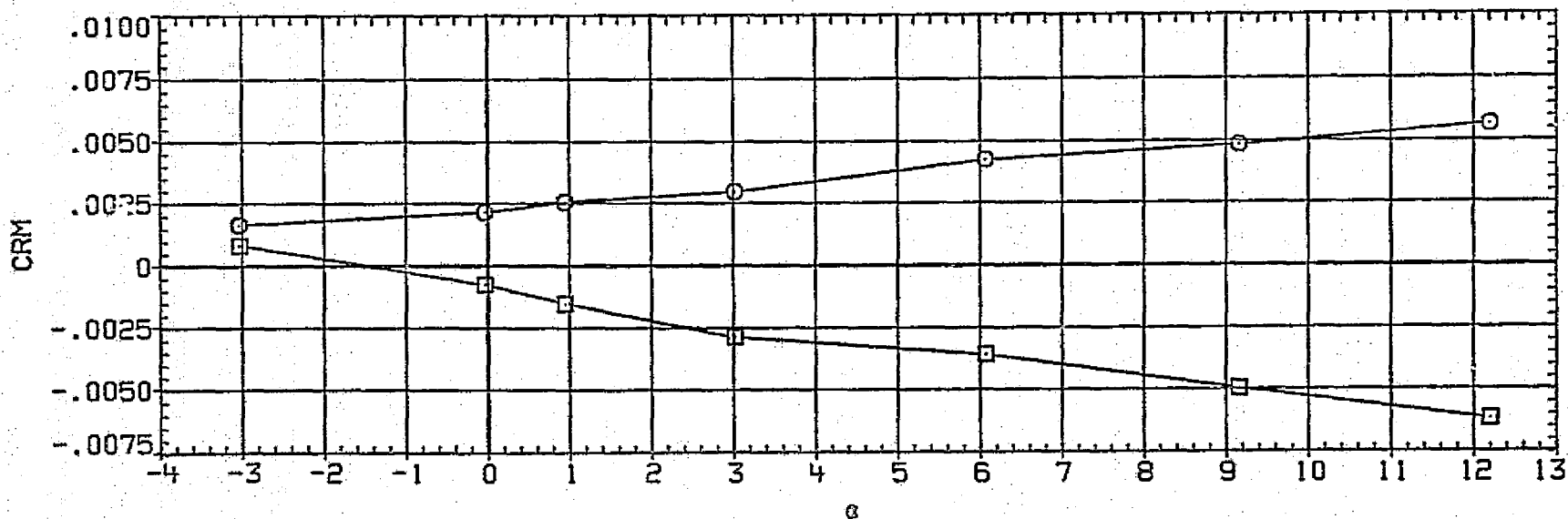
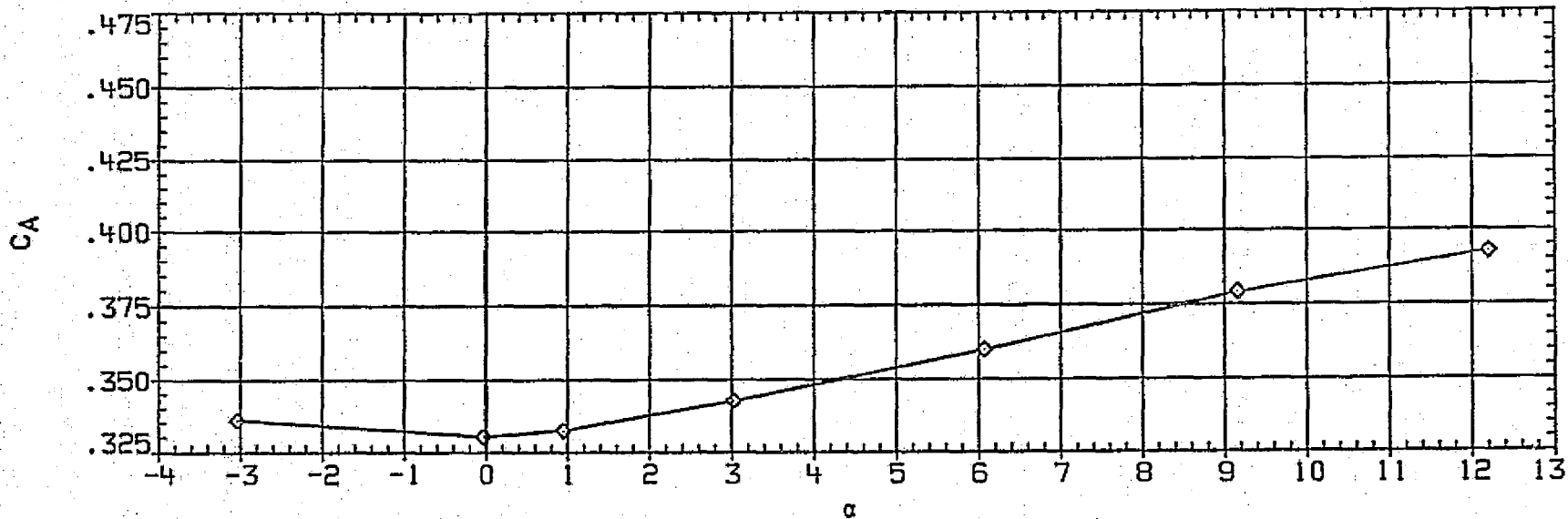


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ215) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CN | MACH | 1.504 | BETA | .000 |
| □ | CN3 | D1 | 6.000 | D3 | 6.000 |
| ◇ | CN | D2 | 6.000 | D4 | 6.000 |
| △ | CM3 | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | | |

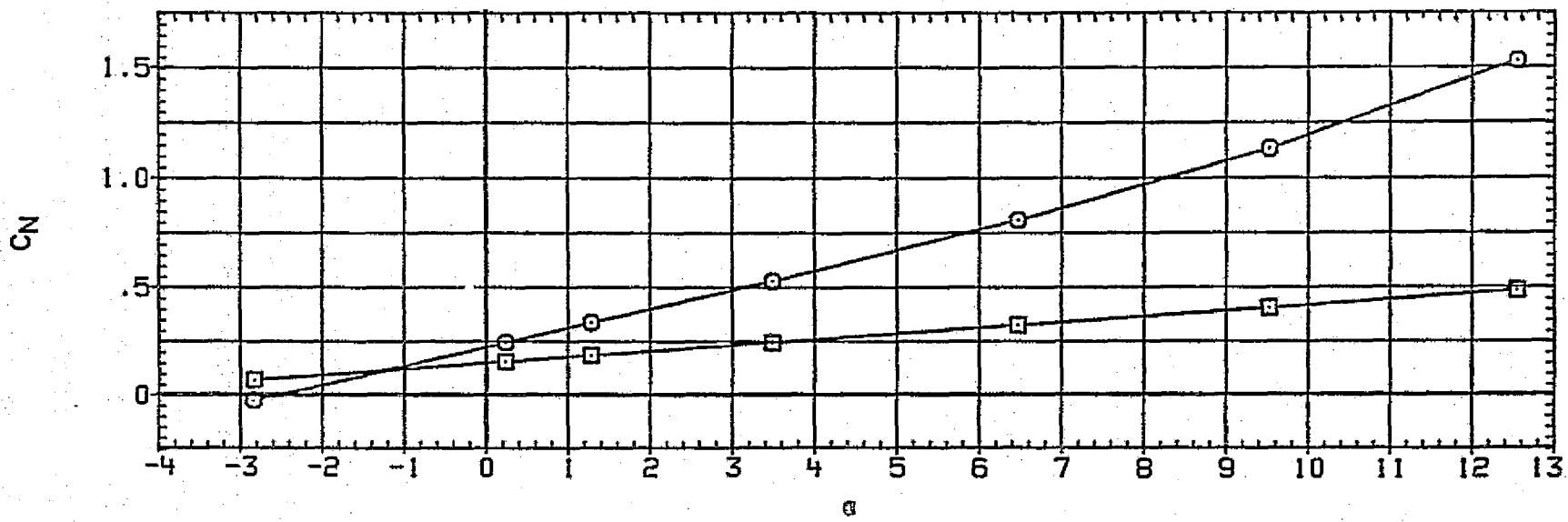
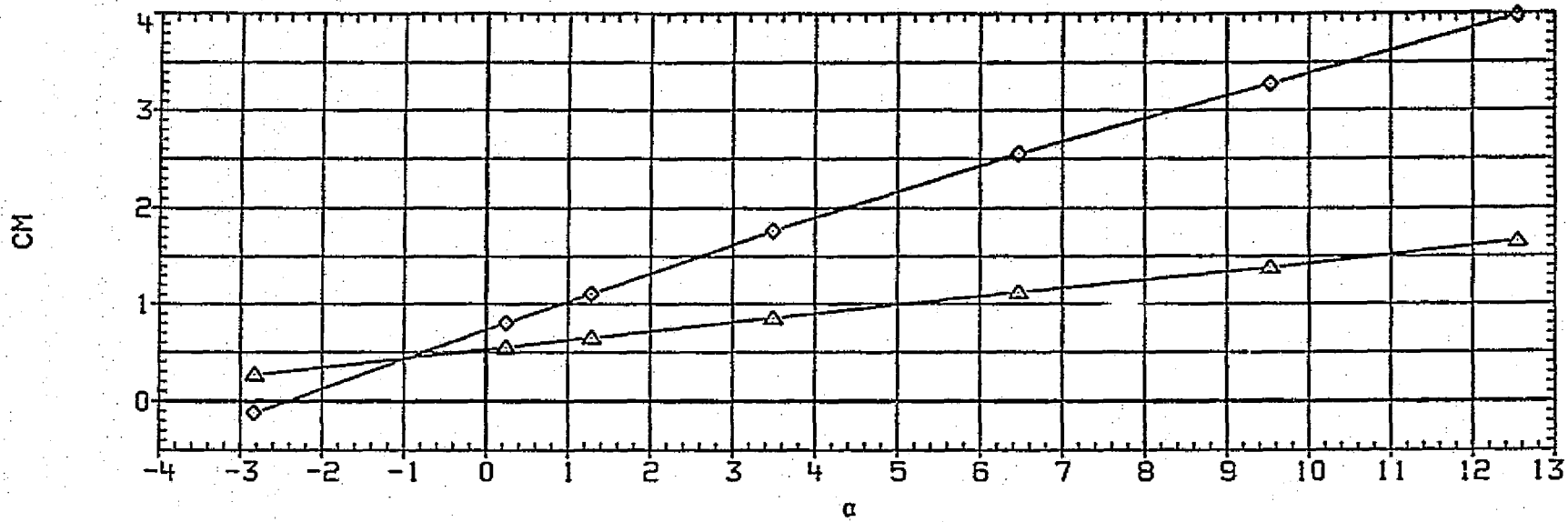


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ215) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CN | MACH | 1.932 | BETA | .000 |
| □ | CNB | D1 | 6.000 | D3 | 6.000 |
| △ | CM | D2 | 6.000 | D4 | 6.000 |
| | CM3 | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | | |

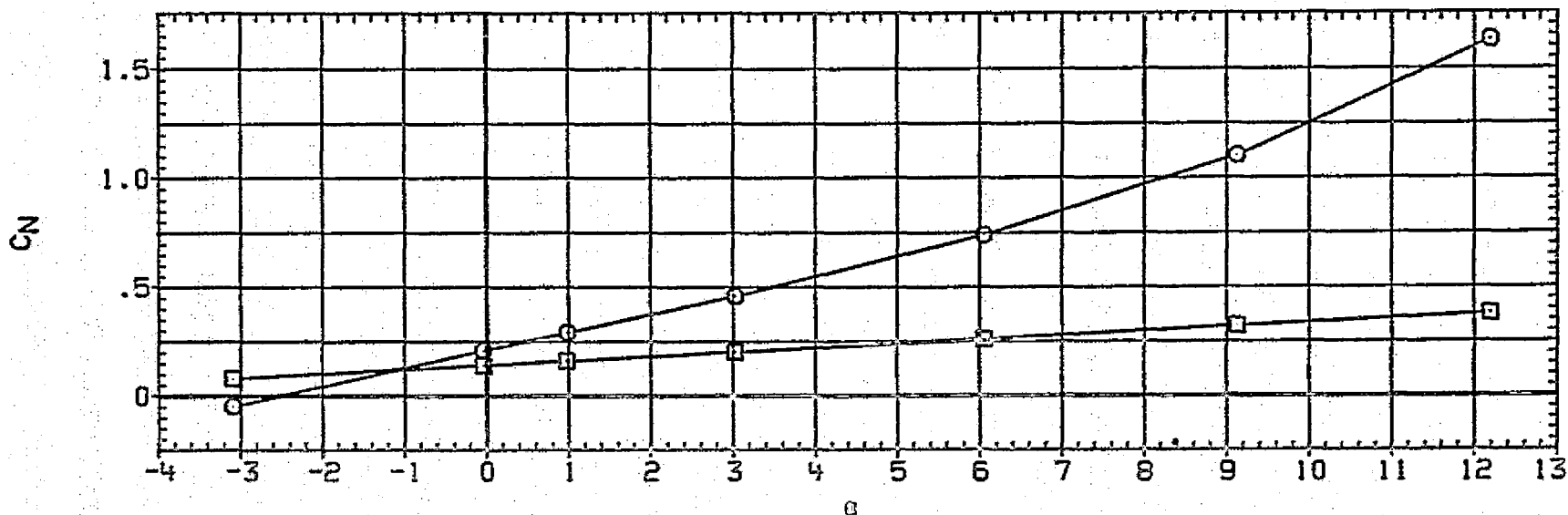
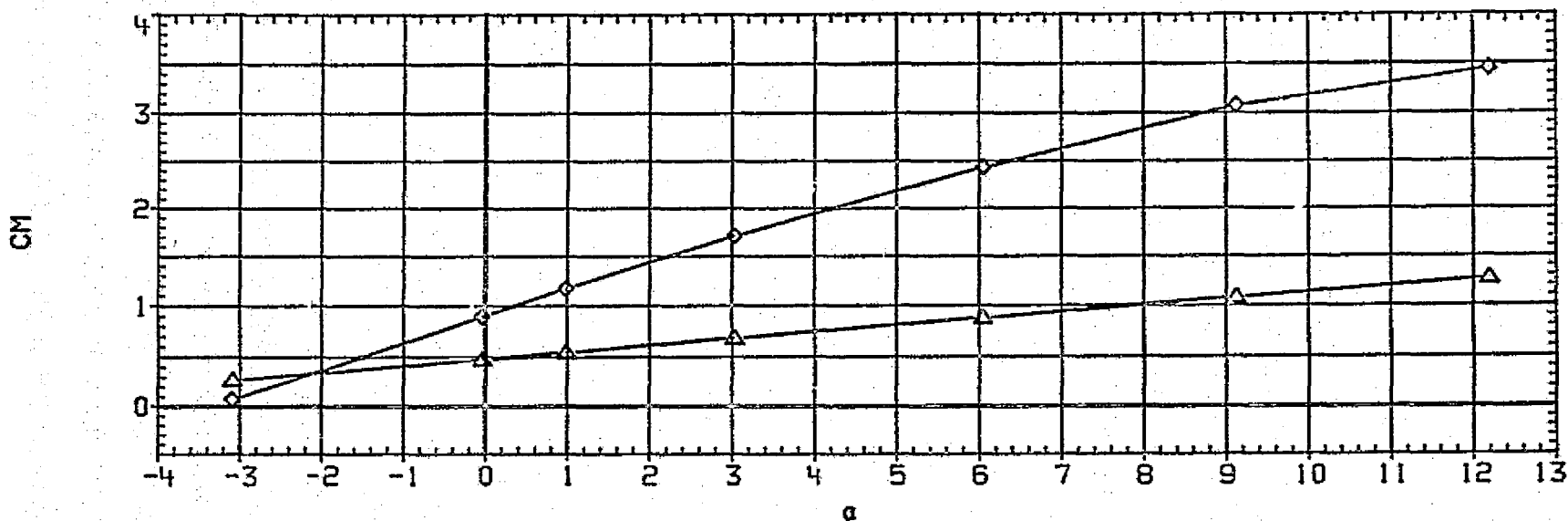


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(08E2215) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CY | MACH | 1.50% | BETA | .000 |
| □ | CYB | D1 | 6.000 | D3 | 6.000 |
| ◇ | CYM | D2 | 6.000 | D4 | 6.000 |
| △ | CYB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | | |

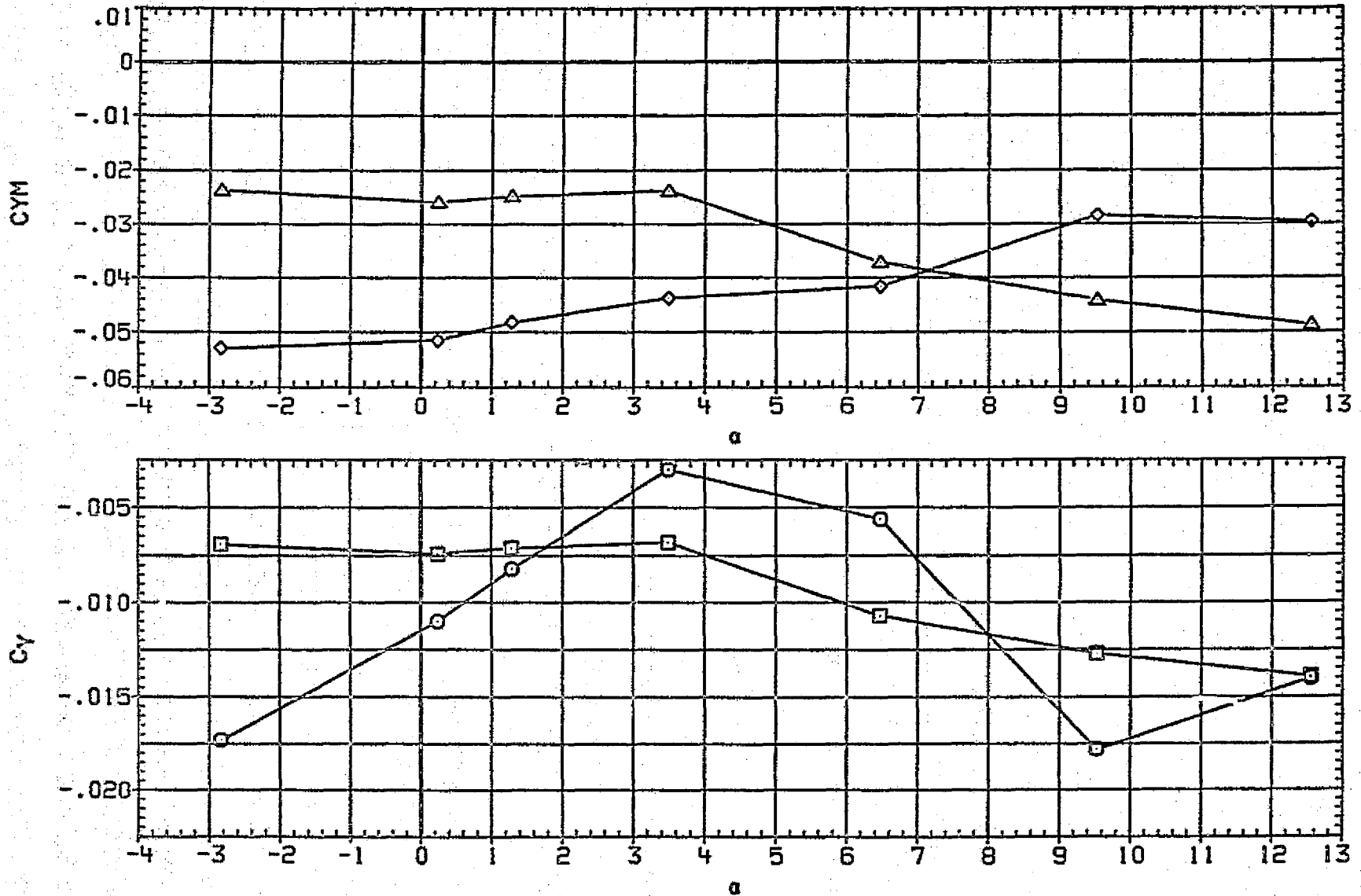


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE2215) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CY | MACH | 1.992 | BETA | .000 |
| □ | CYB | D1 | 6.000 | D3 | 6.000 |
| ◇ | CYM | D2 | 6.000 | D4 | 6.000 |
| △ | CYB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | | |

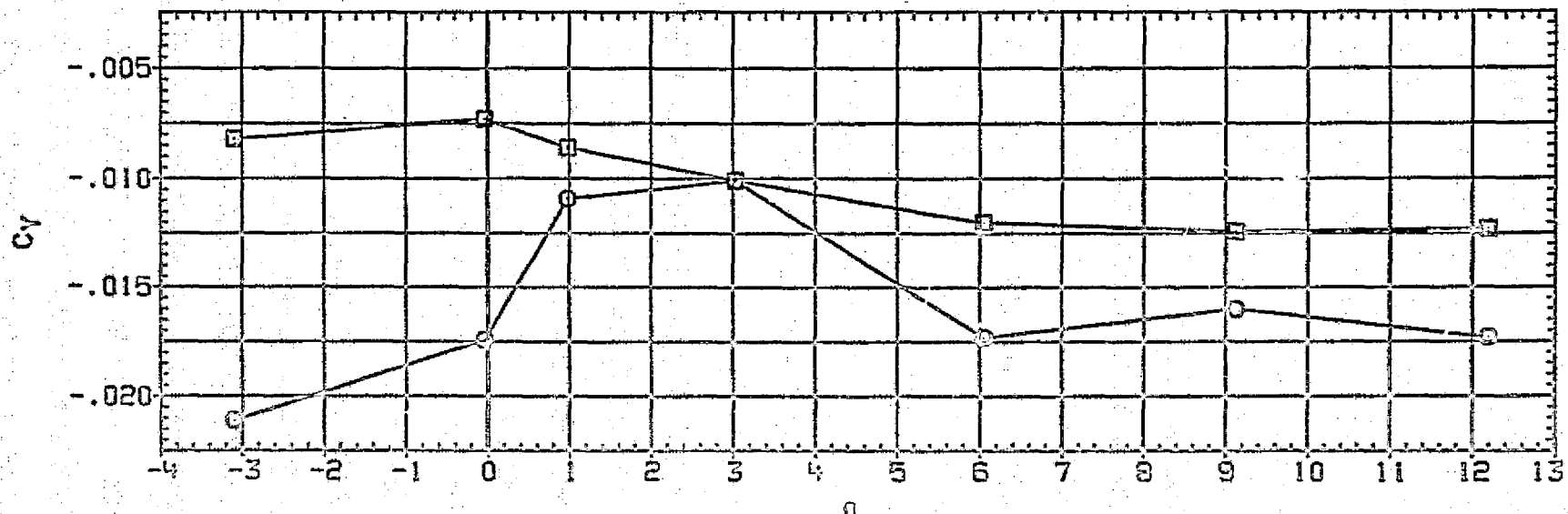
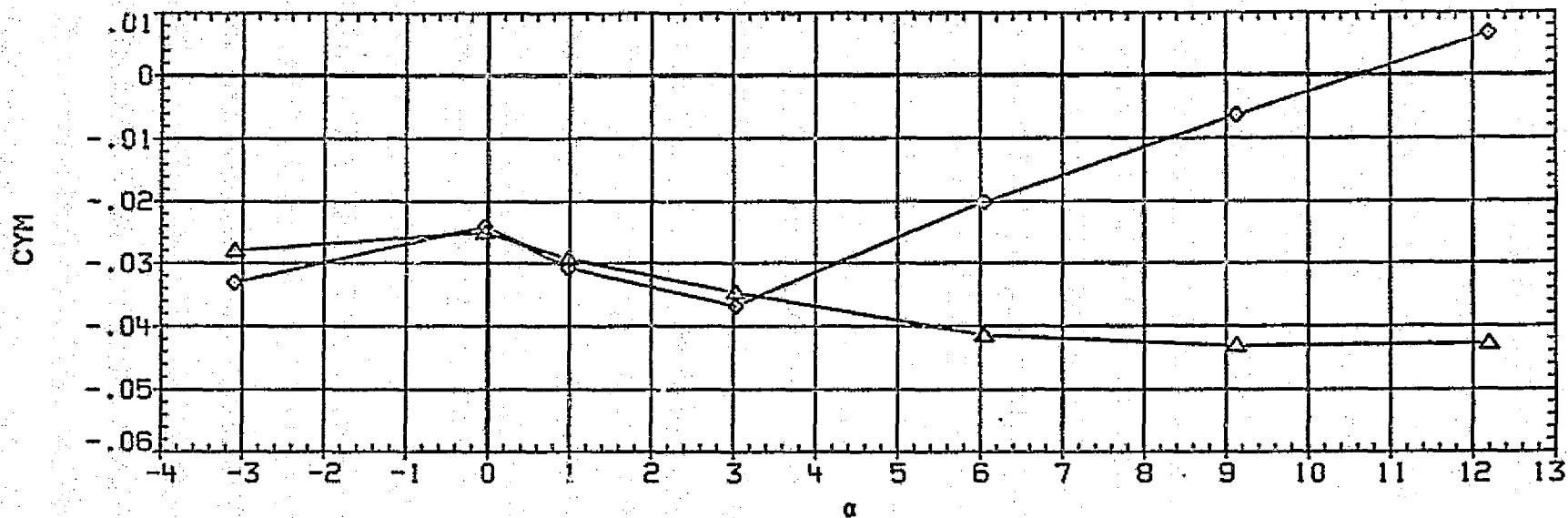


FIG 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ215) CONFIGURATION 12 (BNIC4)

| SW301 | DATA | PARAMETRIC VALUES | | | |
|-------|------|-------------------|--------|------|-------|
| ◇◇ | CRM | MACH | 1.504 | BETA | .000 |
| | CRM | D1 | 6.000 | D3 | 6.000 |
| | CRM | D2 | 6.000 | D4 | 6.000 |
| | CA | D1-3 | 6.000 | D2-4 | 6.000 |
| | | FHI-C | 45.000 | | |

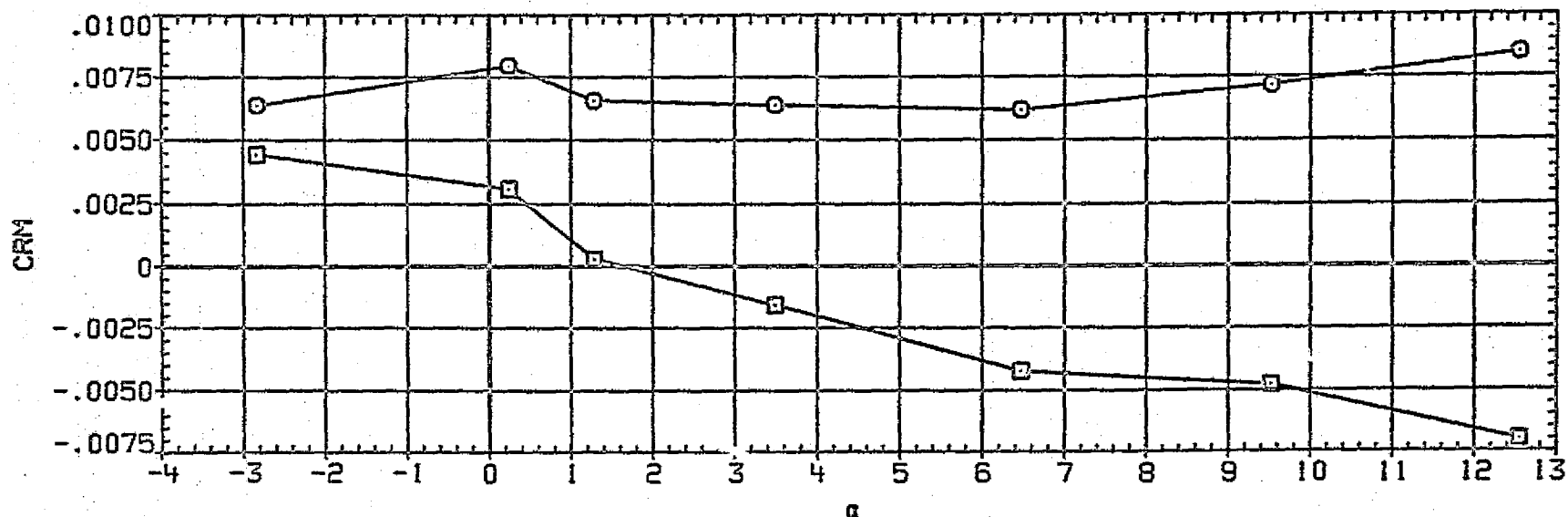
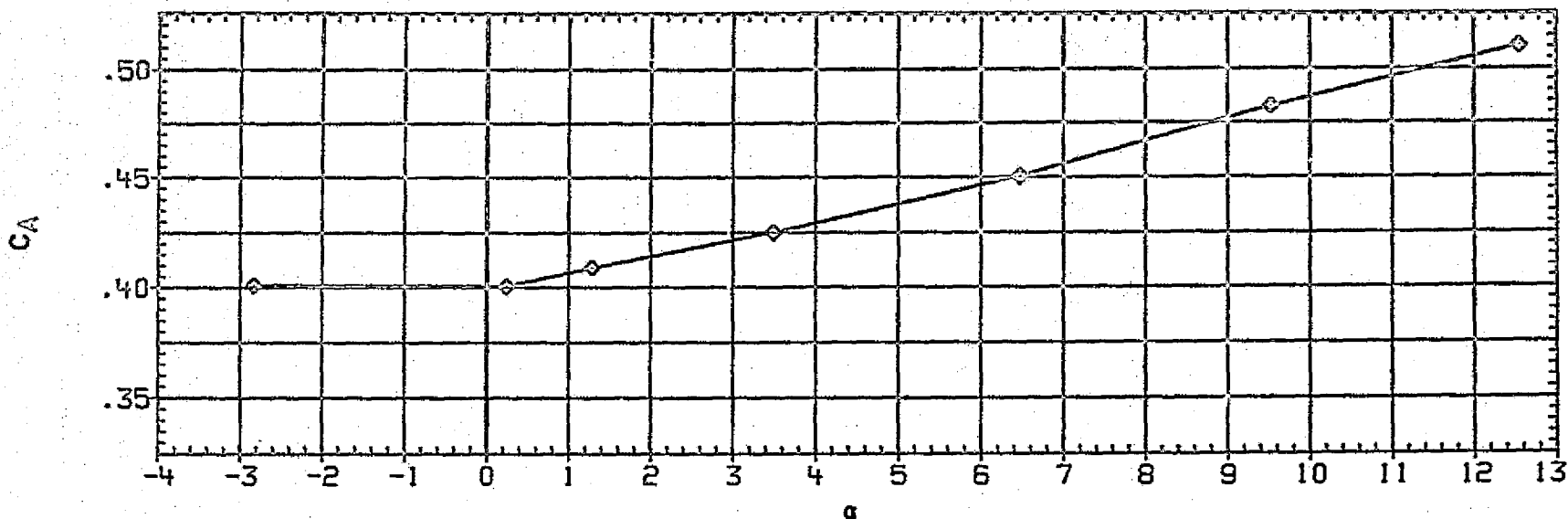


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ215) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CRM | MACH | 1.992 | BETA | .000 |
| □ | CRM | D1 | 6.000 | D3 | 6.000 |
| ◇ | CA | D2 | 6.000 | D4 | 6.000 |
| | | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | | |

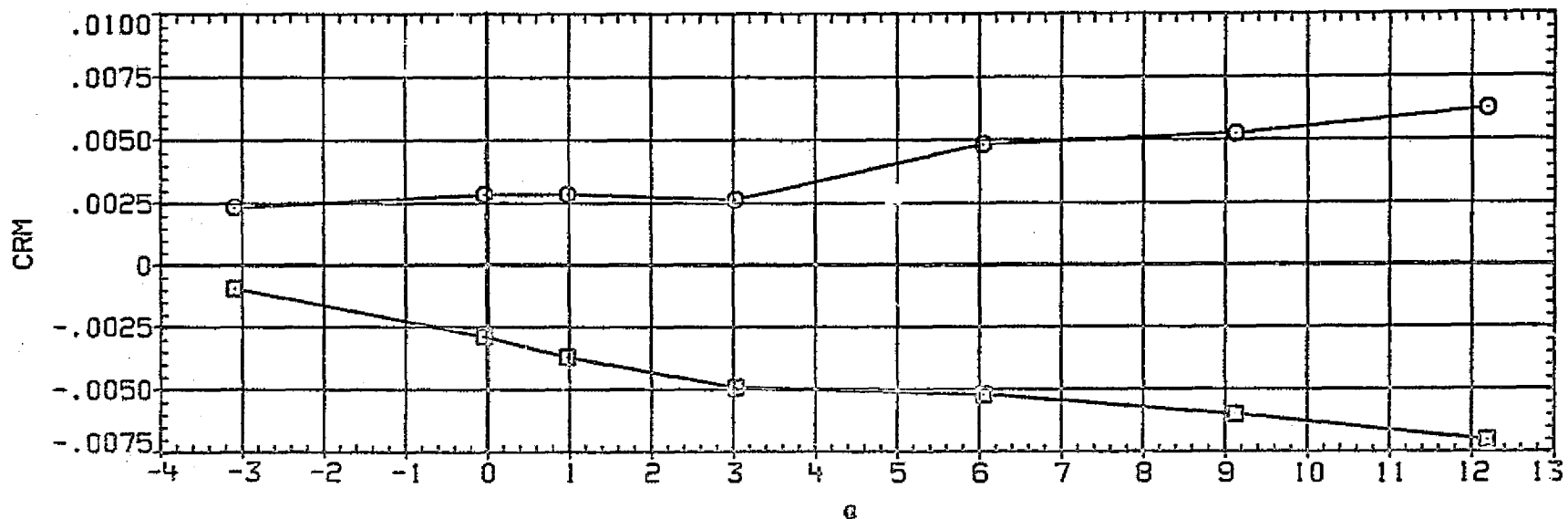
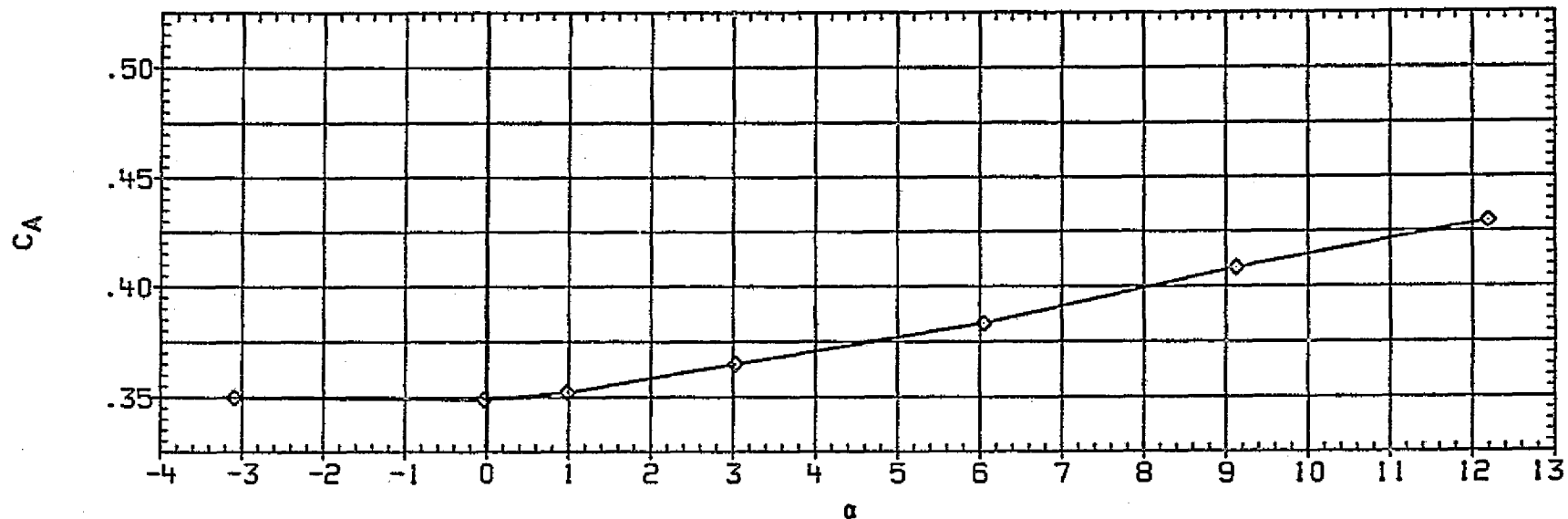


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE2216) CONFIGURATION 12 (BN14)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CN | MACH | 1.502 | BETA | .000 |
| □ | CN3 | D1 | 9.000 | D3 | 9.000 |
| △ | CM | D2 | 9.000 | D4 | 9.000 |
| | CM3 | D1-3 | 9.000 | D2-4 | 9.000 |
| | | FHI-C | 45.000 | | |

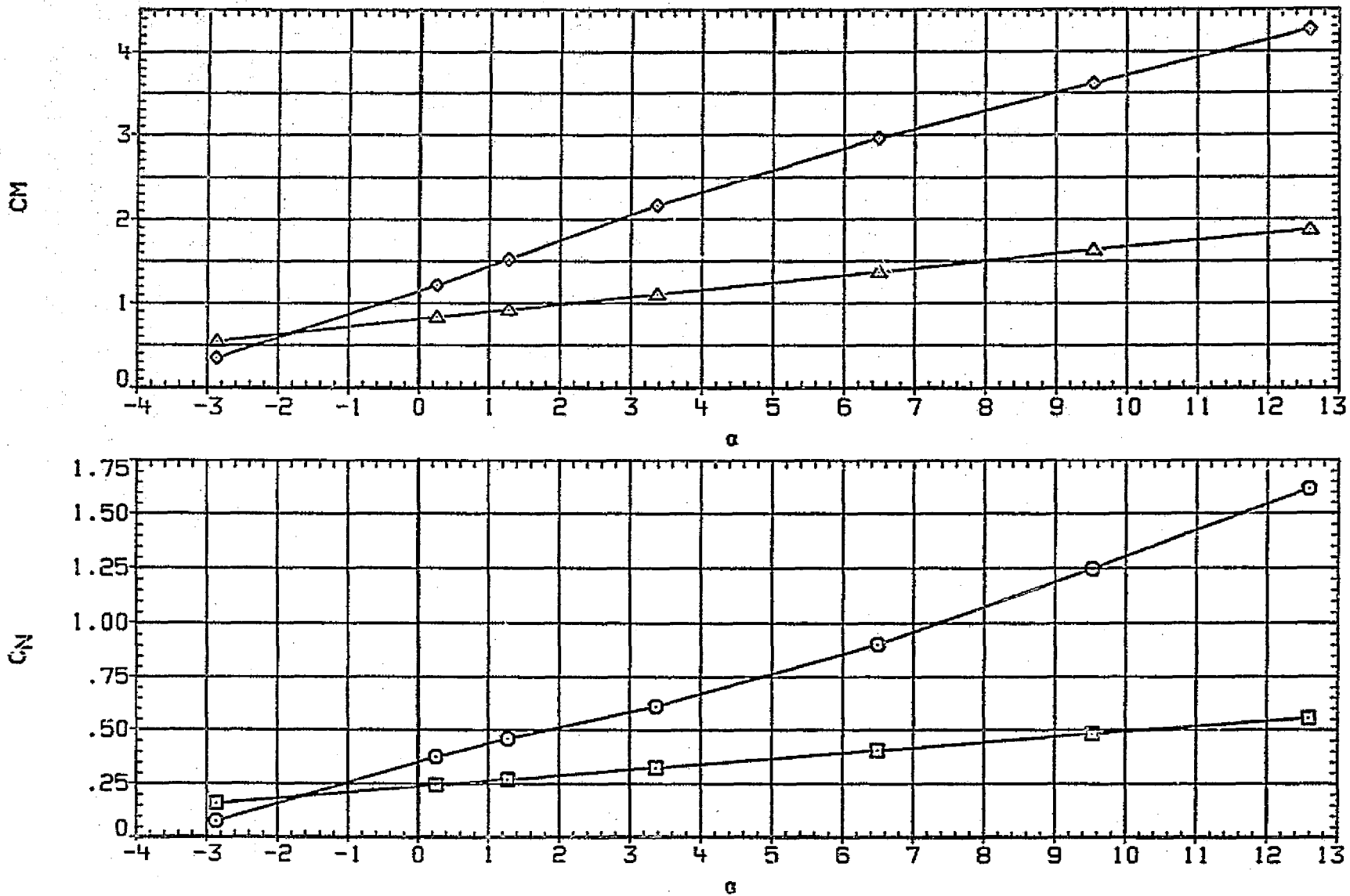


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ216) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CN | HACH | 1.992 | BETA | .000 |
| □ | CNS | D1 | 9.000 | D3 | 9.000 |
| △ | CM | D2 | 9.000 | D4 | 9.000 |
| | CMS | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | | |

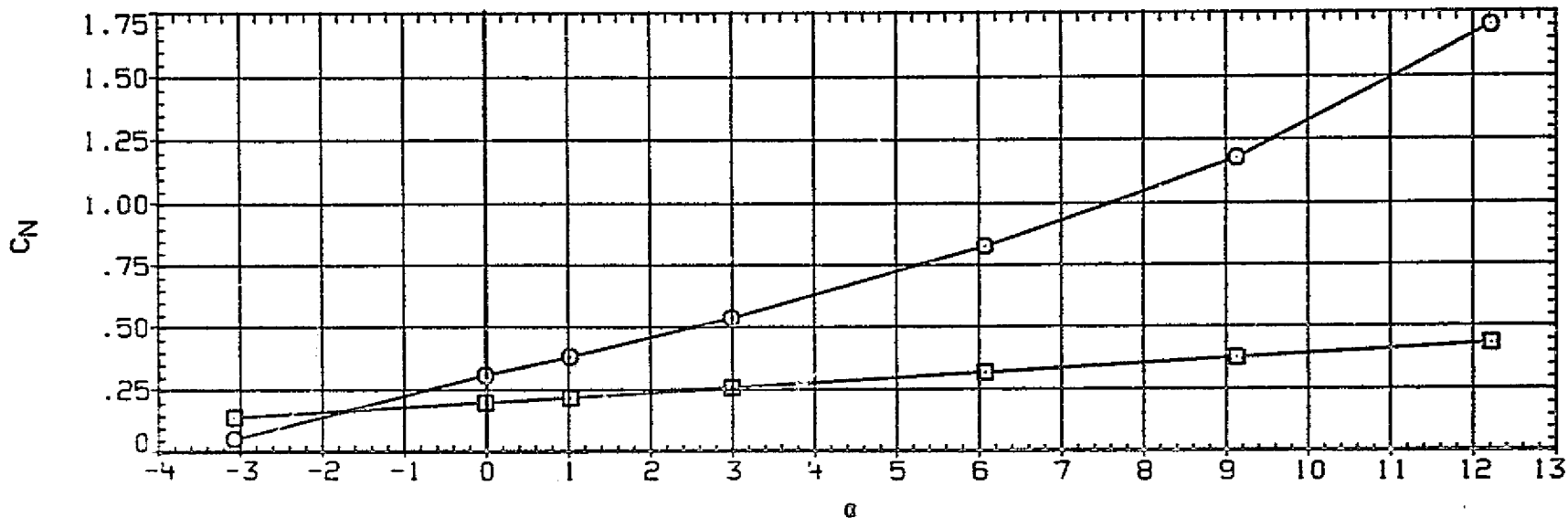
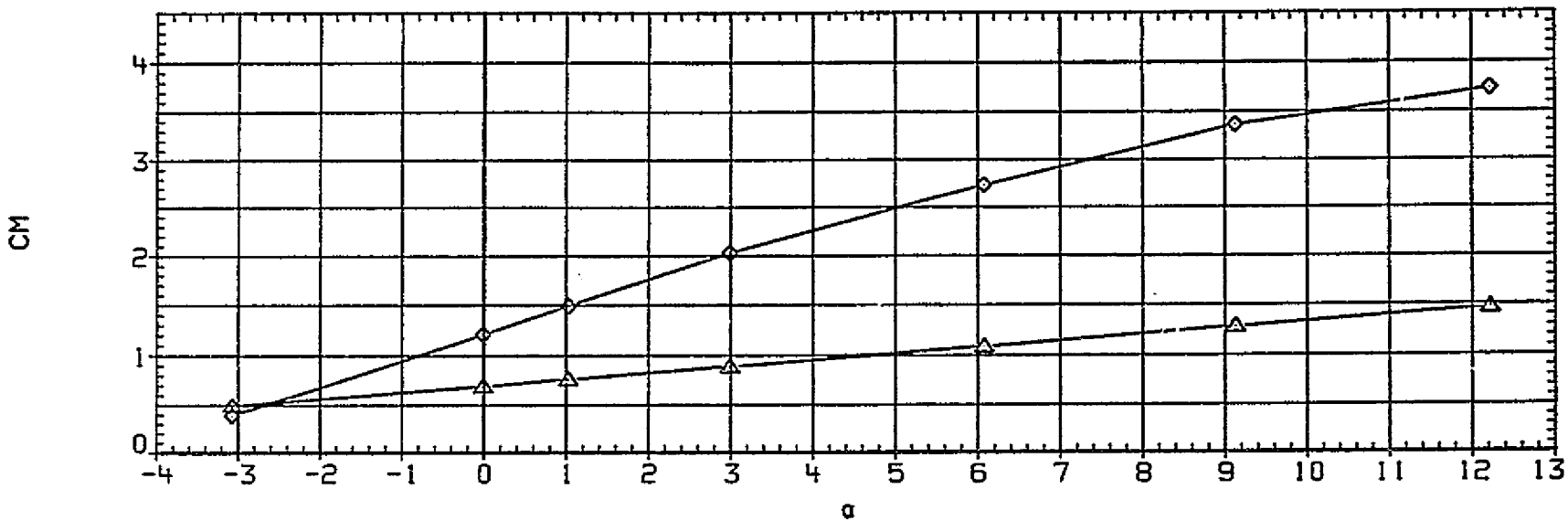


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(8E2216) CONFIGURATION 12 (BNIC₄)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CY | MACH | 1.502 | BETA | .000 |
| □ | CYB | D1 | 9.000 | D3 | 9.000 |
| ◇ | CYM | D2 | 9.000 | D4 | 9.000 |
| △ | CYB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | | |

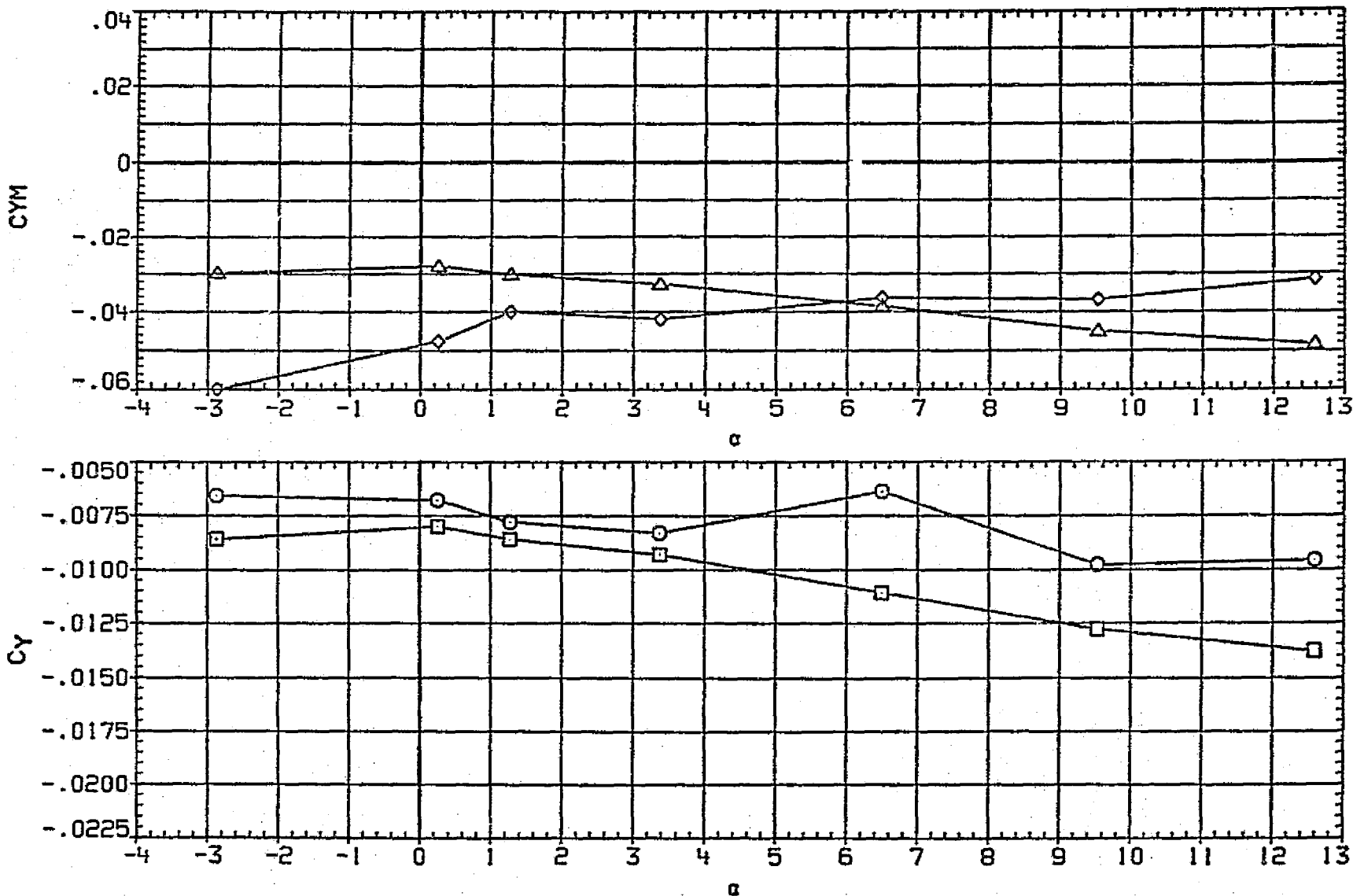


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE2216) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ○ | CY | MACH | 1.932 | BETA | .000 |
| □ | CYB | D1 | 9.000 | D3 | 9.000 |
| ◇ | CYM | D2 | 9.000 | D4 | 9.000 |
| △ | CYB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | | |

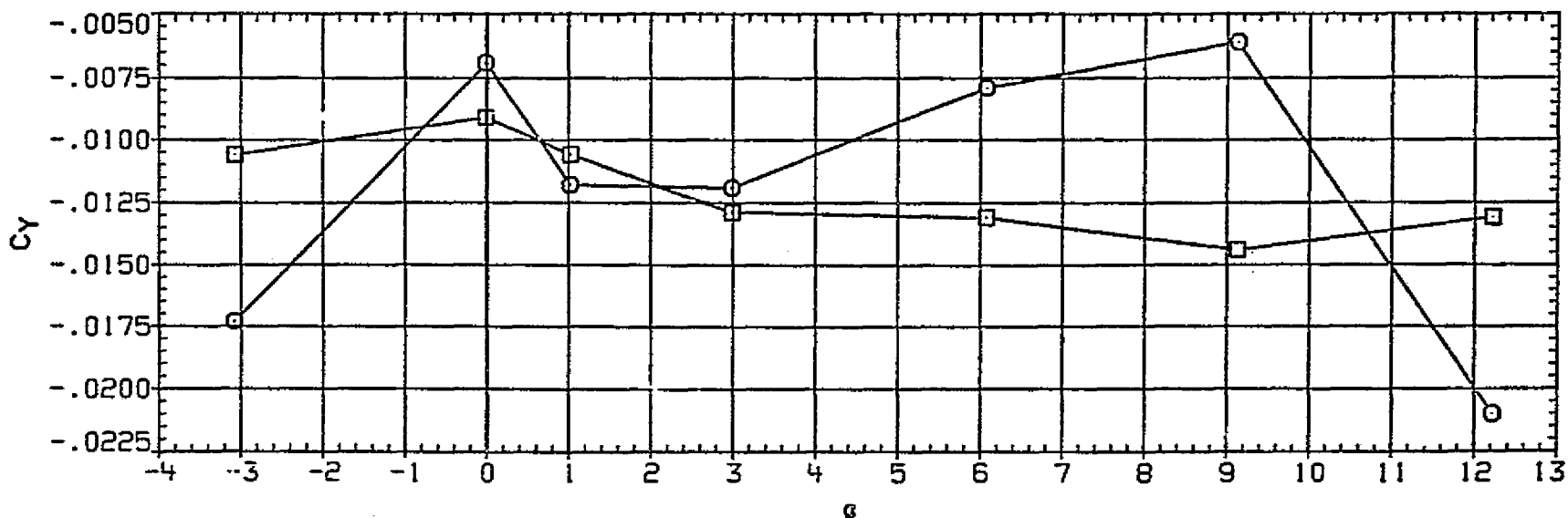
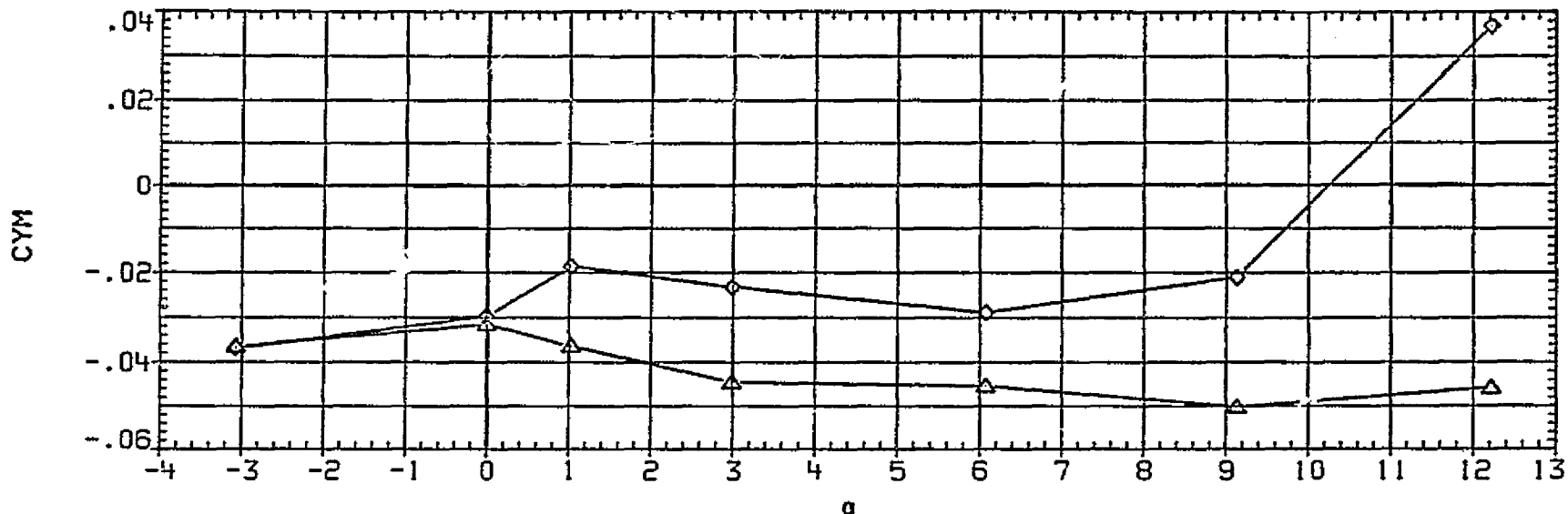


FIG. 7 BODY-CANARD CHARACTERISTICS. MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ216) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|-------|
| ◇ | CRM | MACH | 1.502 | BETA | .000 |
| ◇ | CRM | D1 | 9.000 | D3 | 9.000 |
| ◇ | CA | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PH:-C | 45.000 | | |

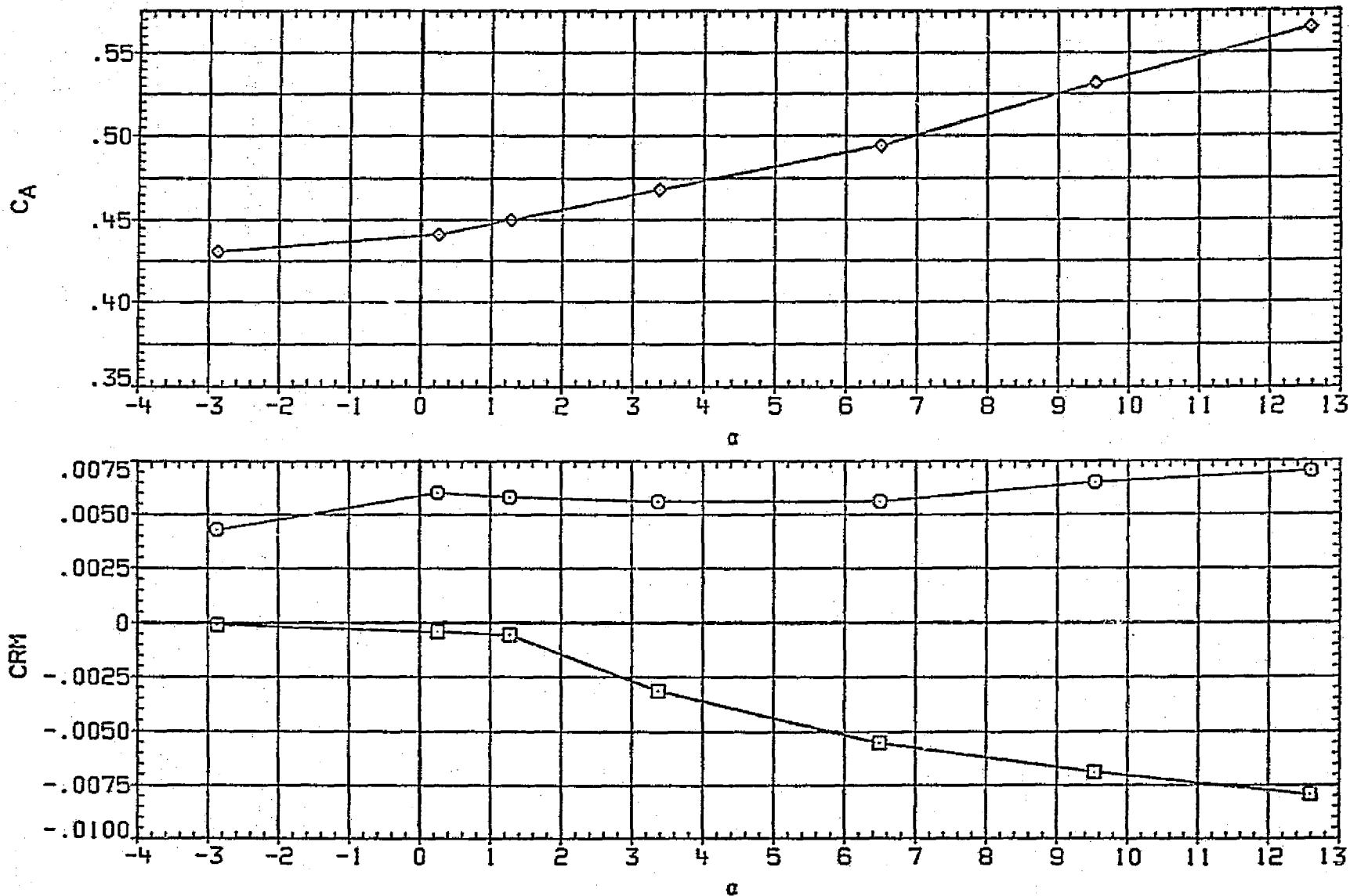


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ216) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|------|-------|
| ◇ | CRM | MACH | 1.992 | BETA | .000 |
| ◇ | CRM-B | D1 | 9.000 | D3 | 9.000 |
| ◇ | CA | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | | |

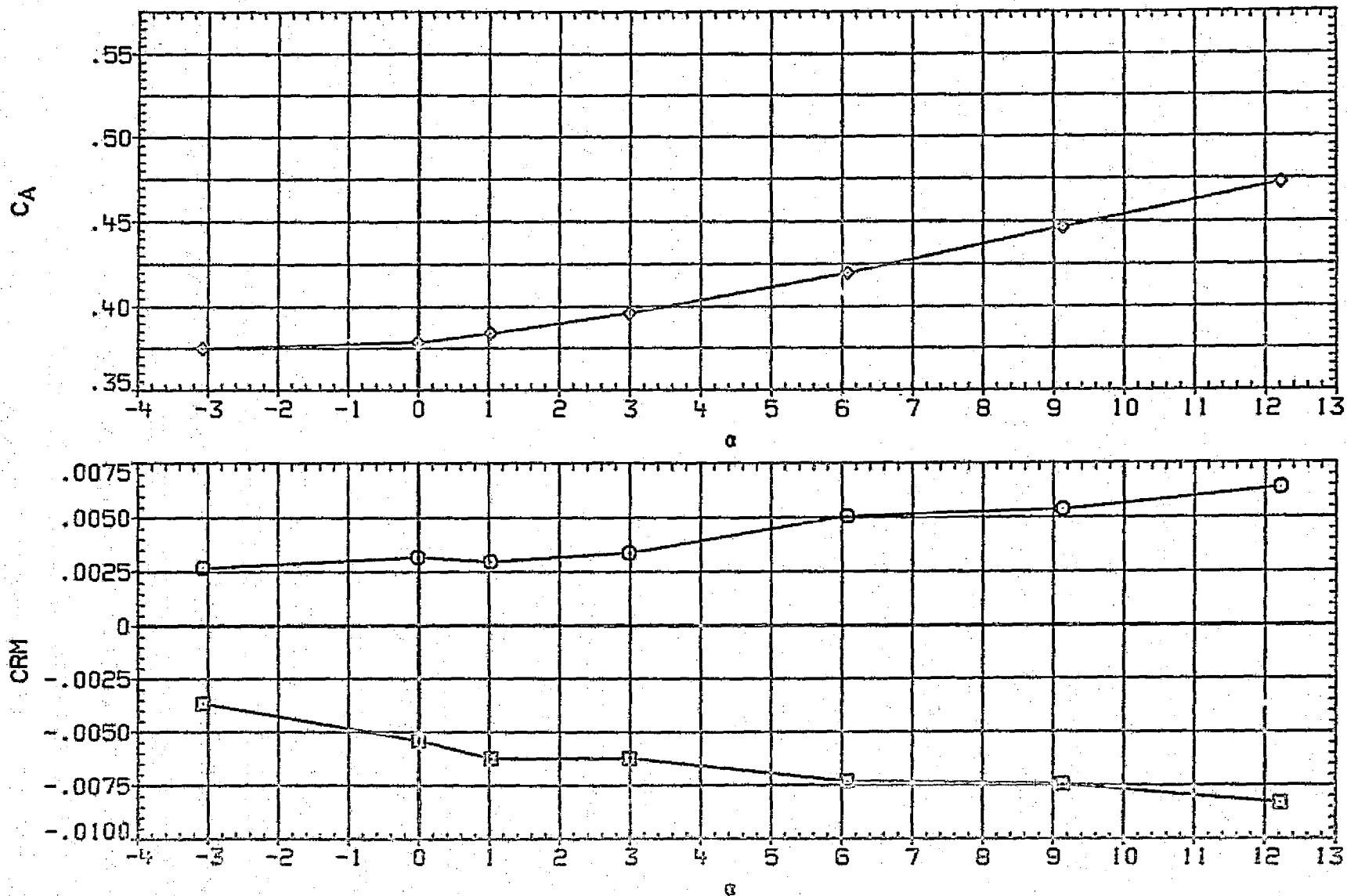


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ217) CONFIGURATION 12 (BNICW)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| □ | CN | MACH | 1.501 | BETA | .000 |
| ◇ | CN3 | D1 | 15.000 | D3 | 15.000 |
| △ | CM | D2 | 15.000 | D4 | 15.000 |
| | CM3 | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | | |

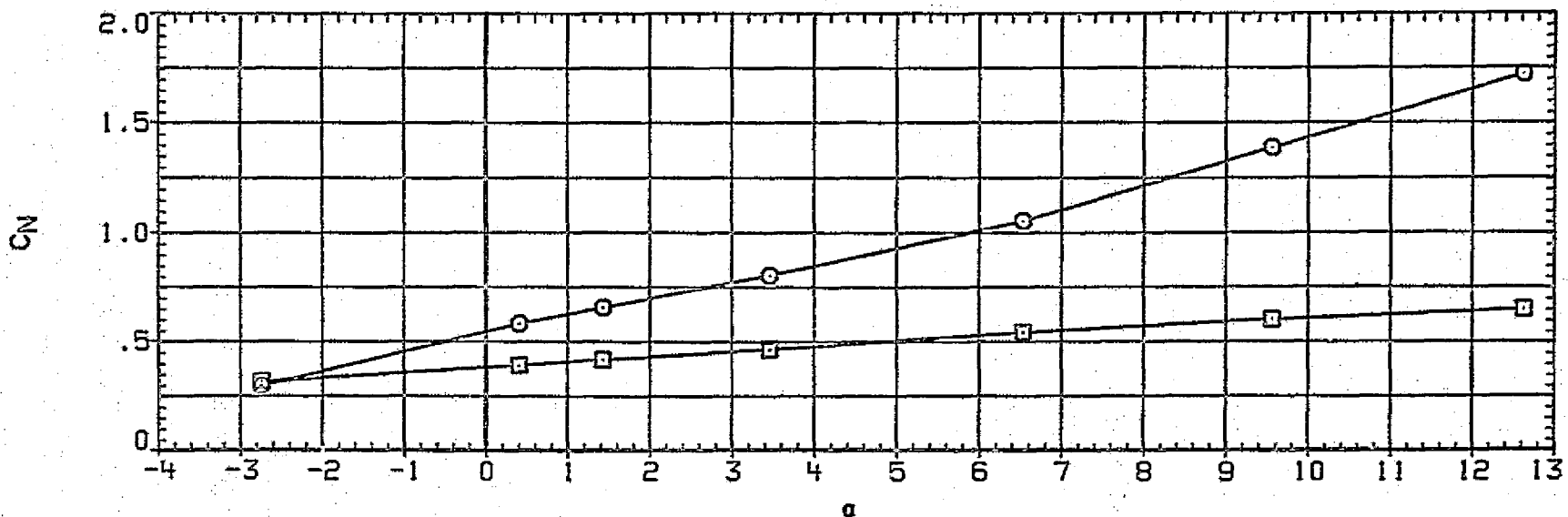
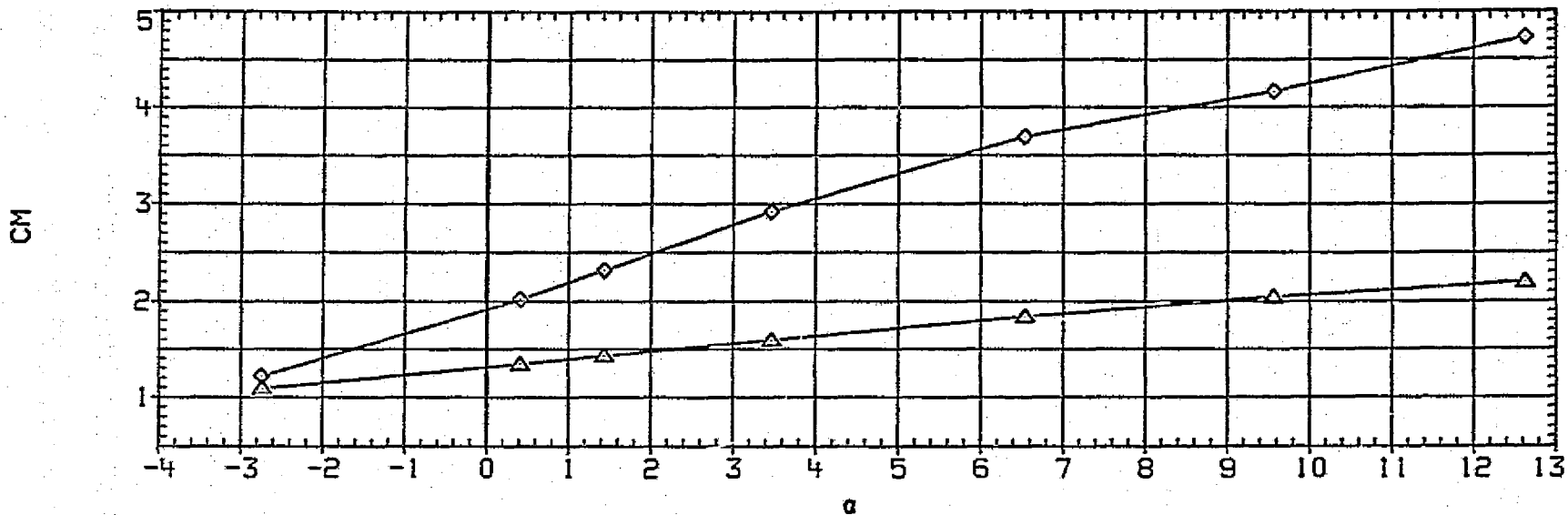


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ217) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CN | MACH | 1.992 | BETA | .000 |
| □ | CN3 | D1 | 15.000 | D3 | 15.000 |
| ◇ | CM | D2 | 15.000 | D4 | 15.000 |
| △ | CM3 | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | | |

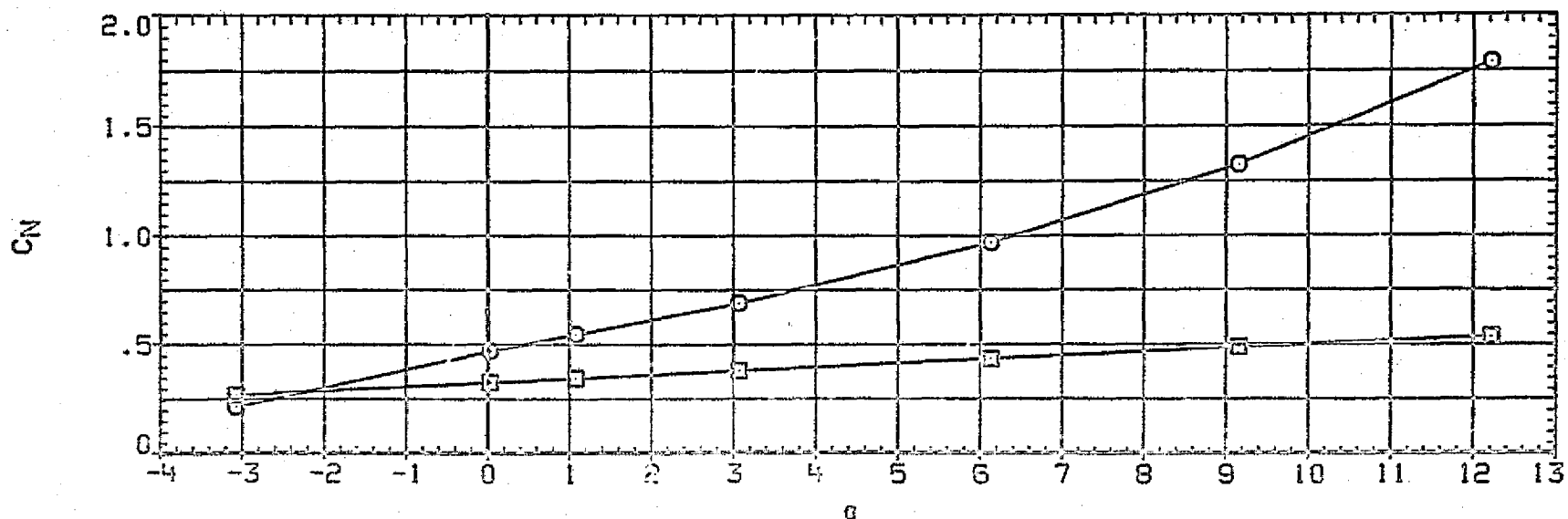
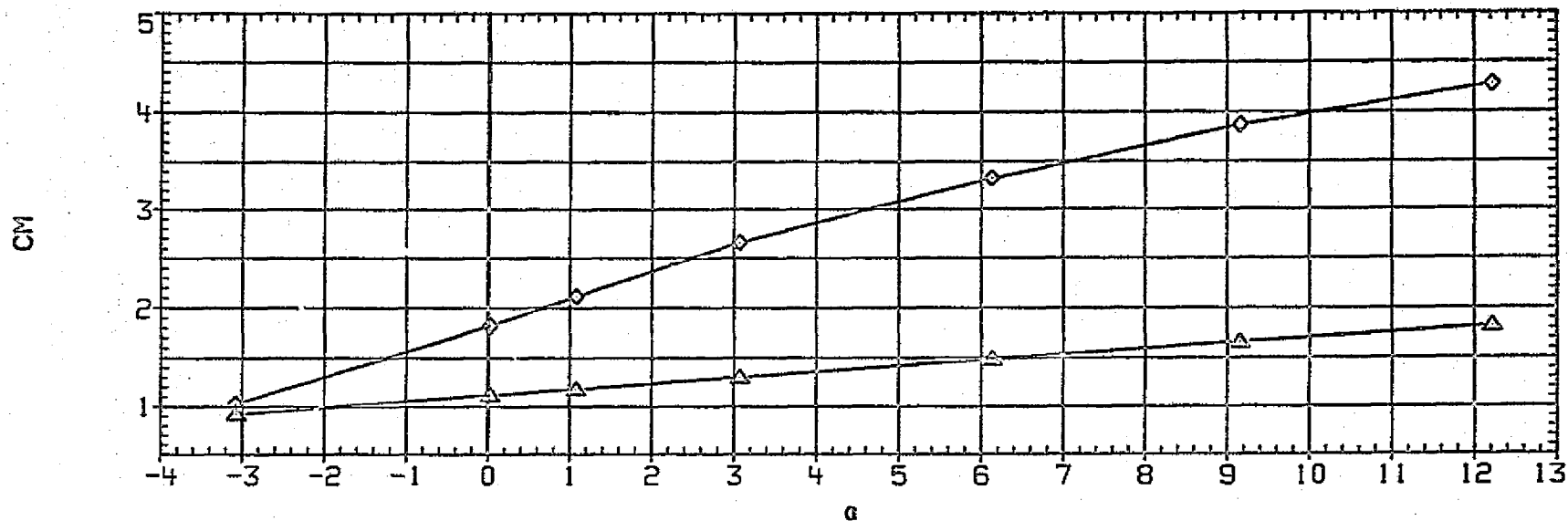


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ217) CONFIGURATION 12 (BN104)

| SYMBOL | DATA | PARAMETRIC VALUES |
|--------|------|-------------------------|
| ◇ | CY | MACH 1.501 BETA .000 |
| ○ | CYB | D1 15.000 D3 15.000 |
| △ | CYM | D2 15.000 D4 15.000 |
| | CYB3 | D1-3 15.000 D2-4 15.000 |
| | | PHI-C 45.000 |

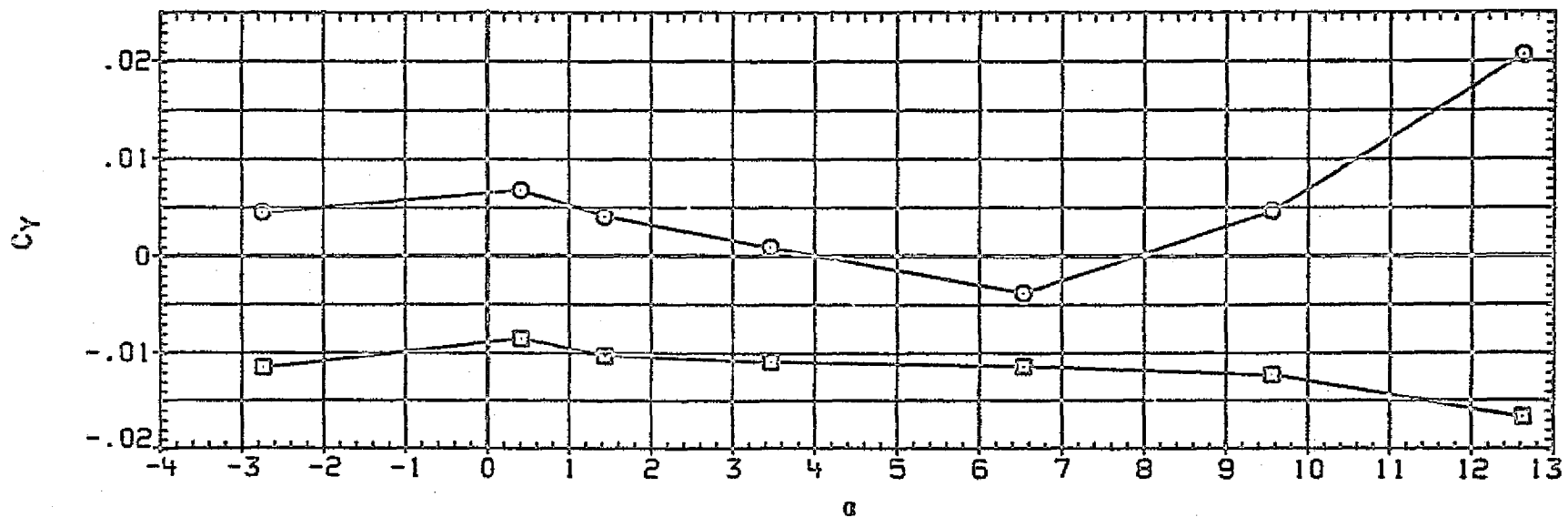
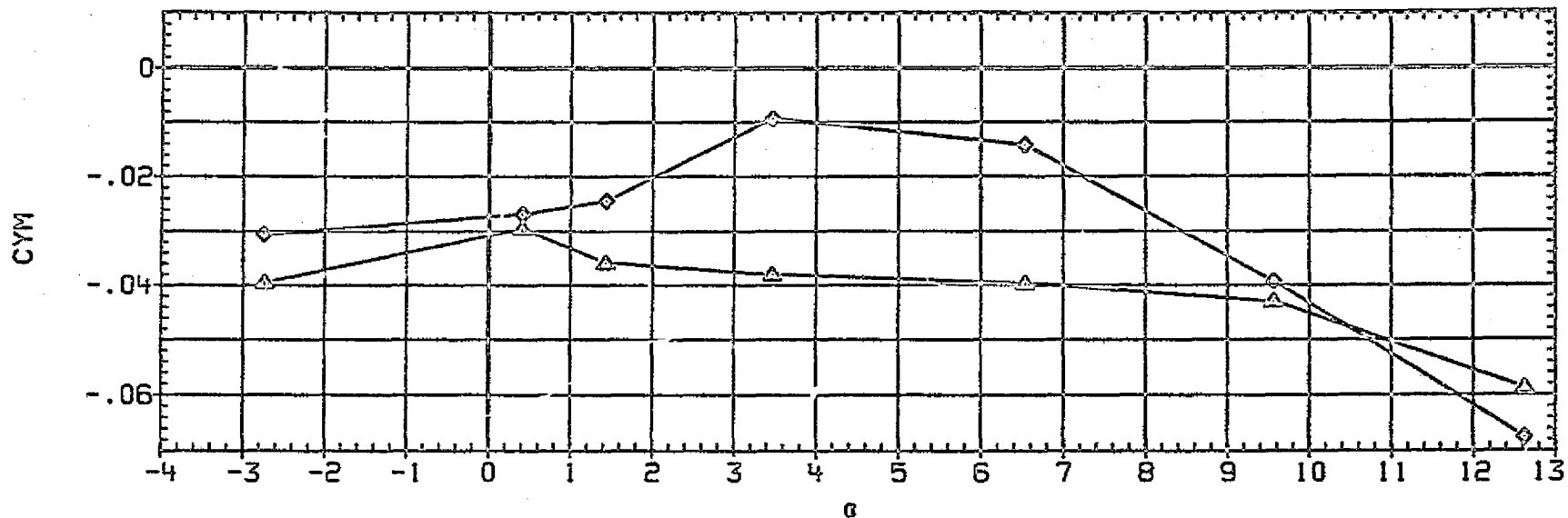


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ217) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CY | MACH | 1.992 | BETA | .000 |
| ◇ | CYB | D1 | 15.000 | D3 | 15.000 |
| ◇ | CYM | D2 | 15.000 | D4 | 15.000 |
| △ | CY+B | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | | |

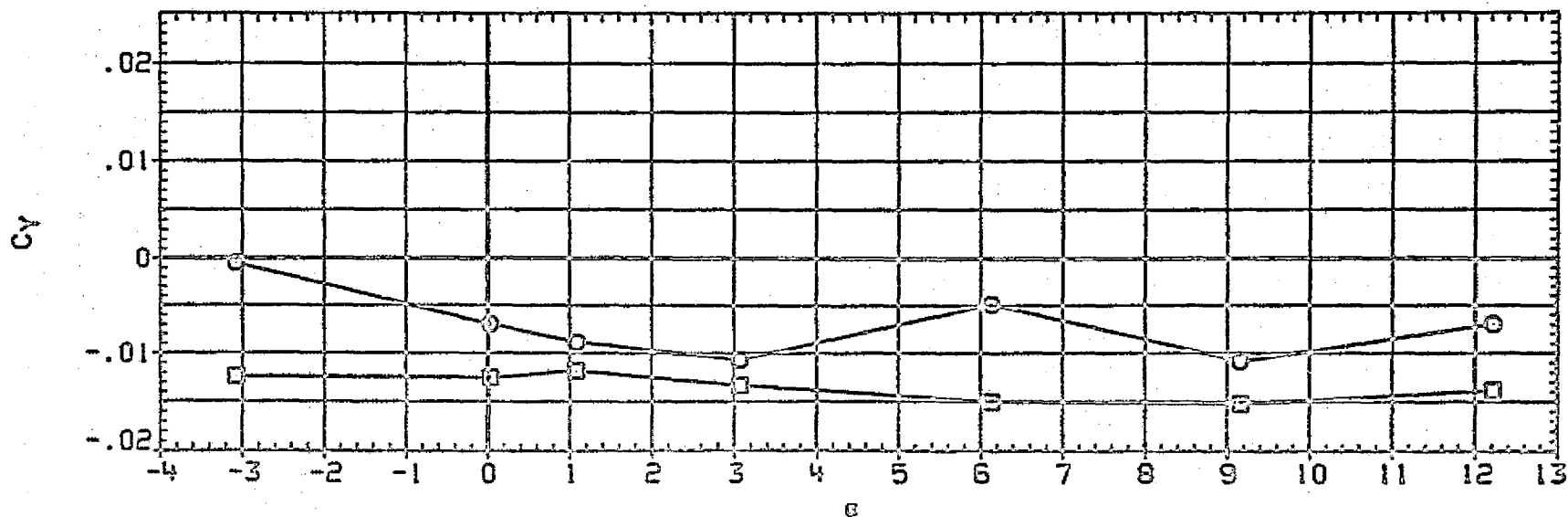
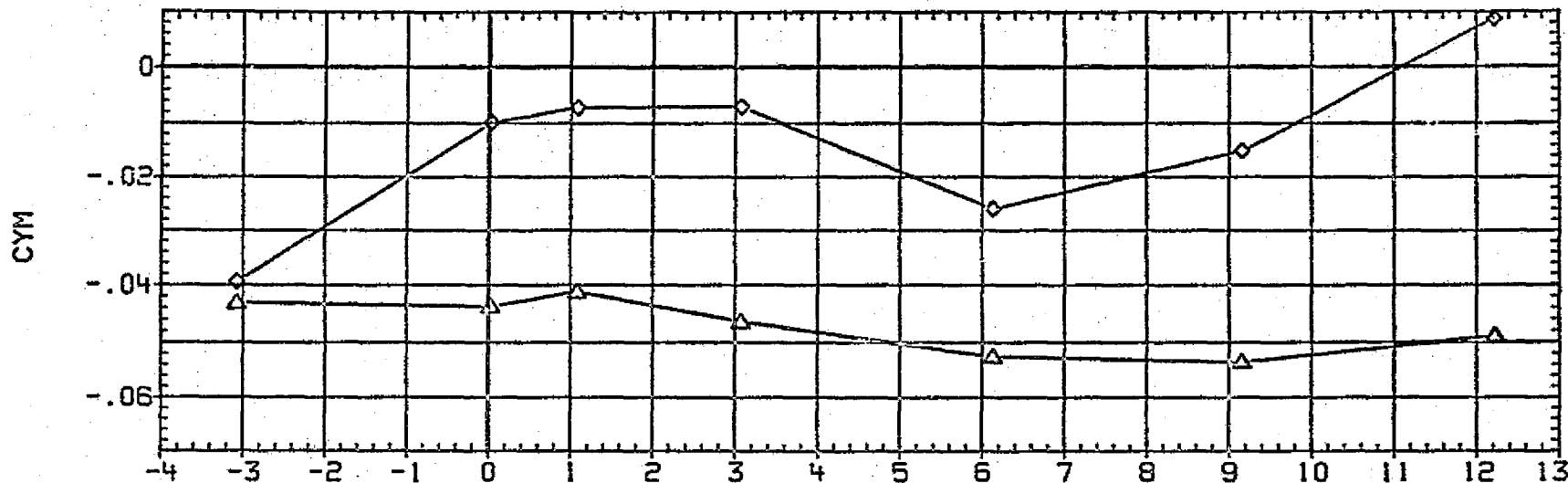


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ217) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CRM | MACH | 1.501 | ETA | .000 |
| ◇ | CRM3 | D1 | 15.000 | D3 | 15.000 |
| ◇ | CA | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | 15.000 | D2-4 | 15.000 |
| | | FMI-C | 45.000 | | |

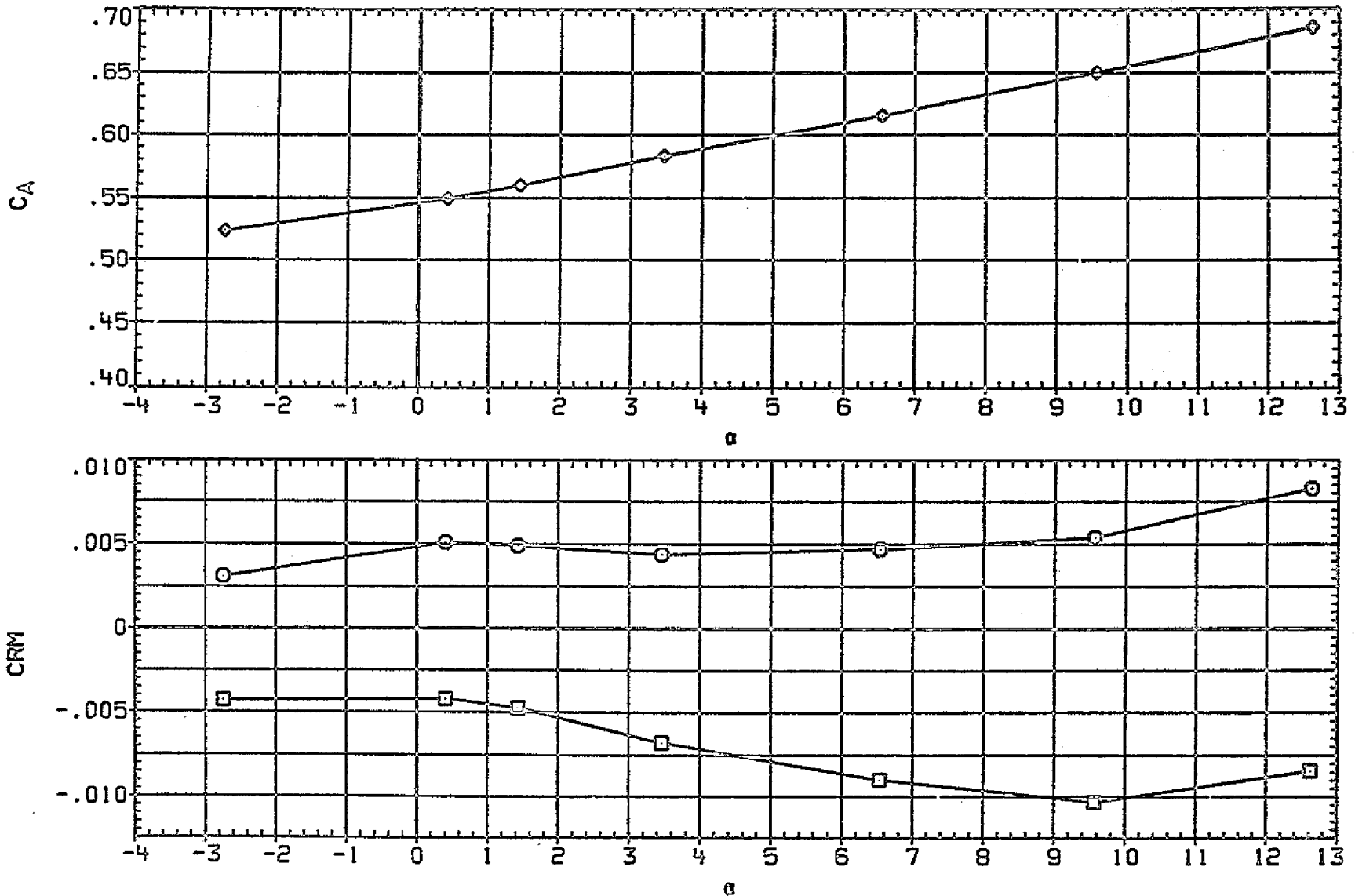


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ217) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|------|--------|
| ◇ | CRM | MACH | 1.992 | BETA | .000 |
| ◇ | CRM ^B | D1 | 15.000 | D3 | 15.000 |
| ◇ | CA | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | | |

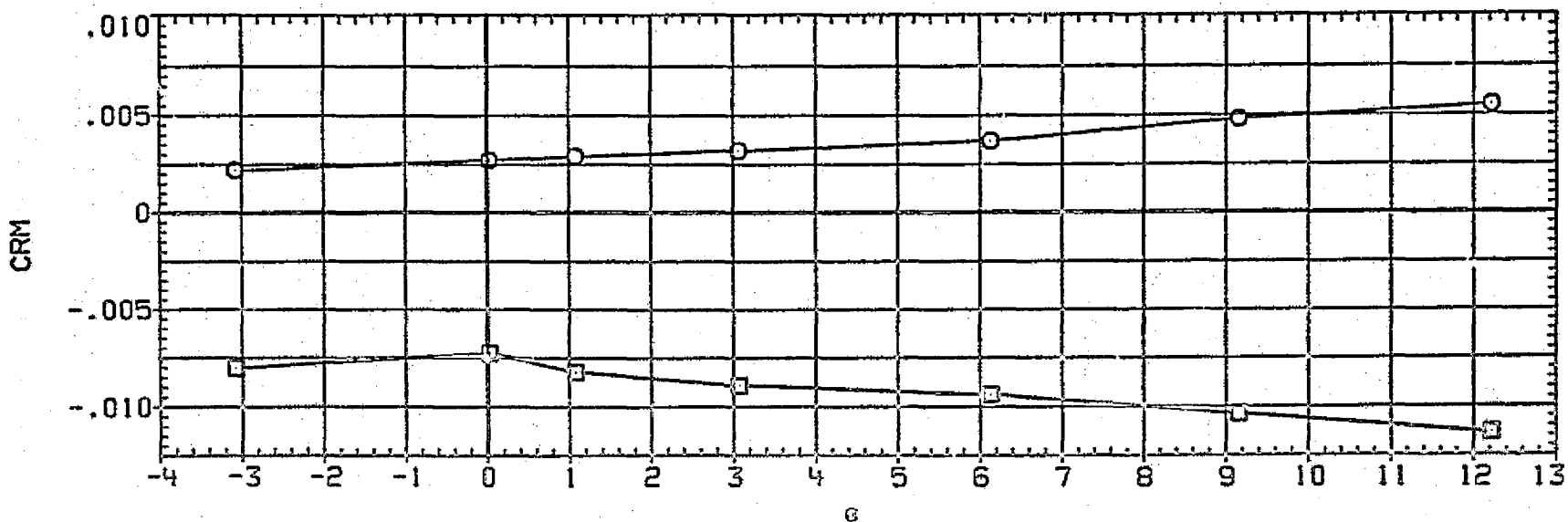
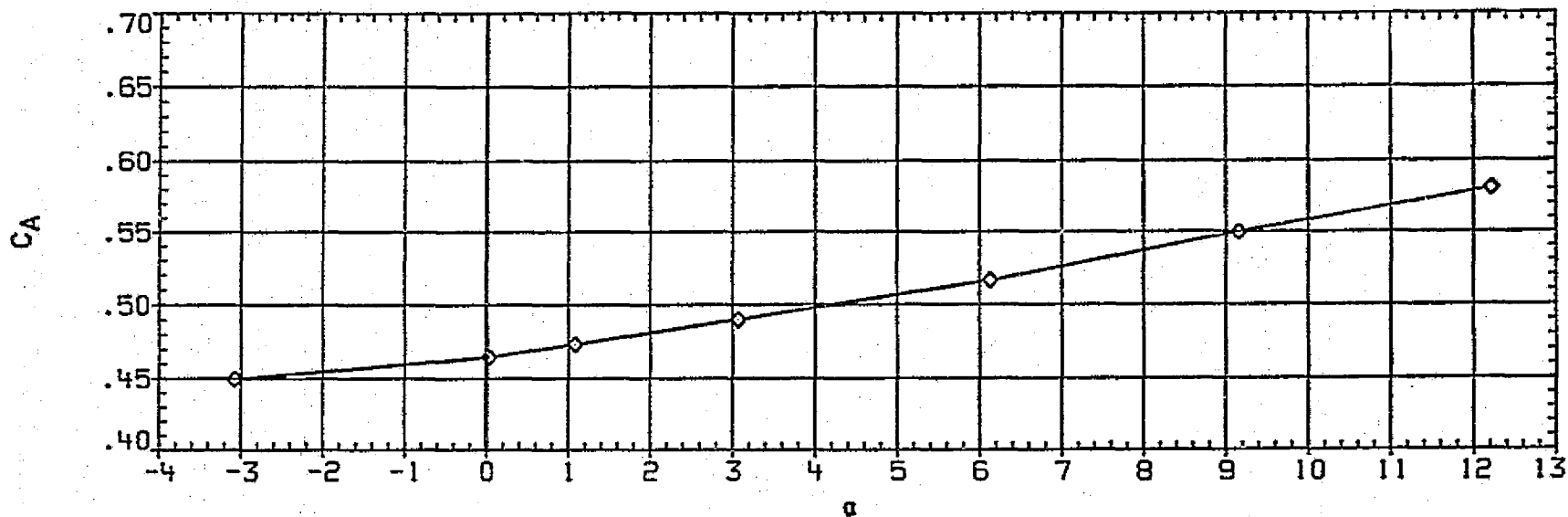


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ218) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CN | MACH | 1.502 | BETA | .000 |
| □ | CNB | D1 | .000 | D3 | .000 |
| △ | CH | D2 | -3.000 | D4 | -3.000 |
| | CS | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | | |

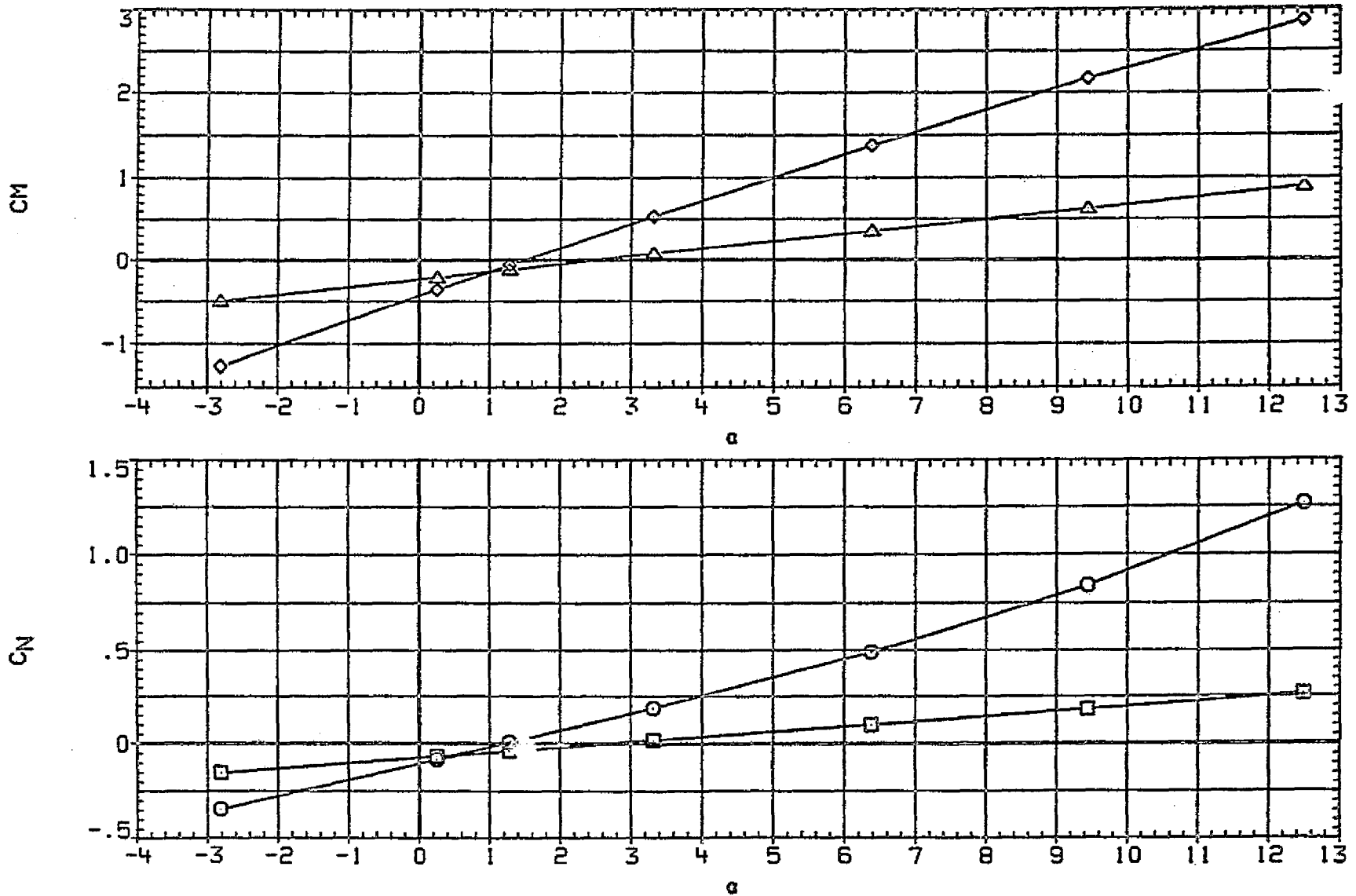


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ218) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CN | MACH | 1.993 | BETA | .000 |
| □ | CNS | D1 | .000 | D3 | .000 |
| ◇ | CM | D2 | -3.000 | D4 | -3.000 |
| △ | CPB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | | |

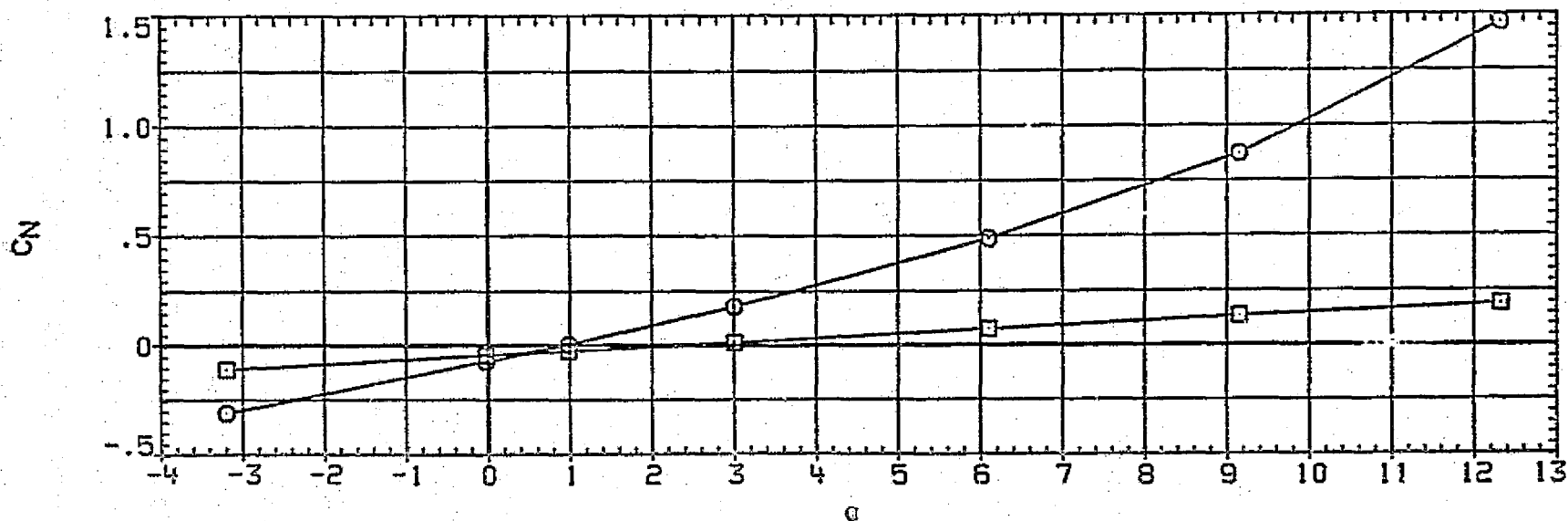
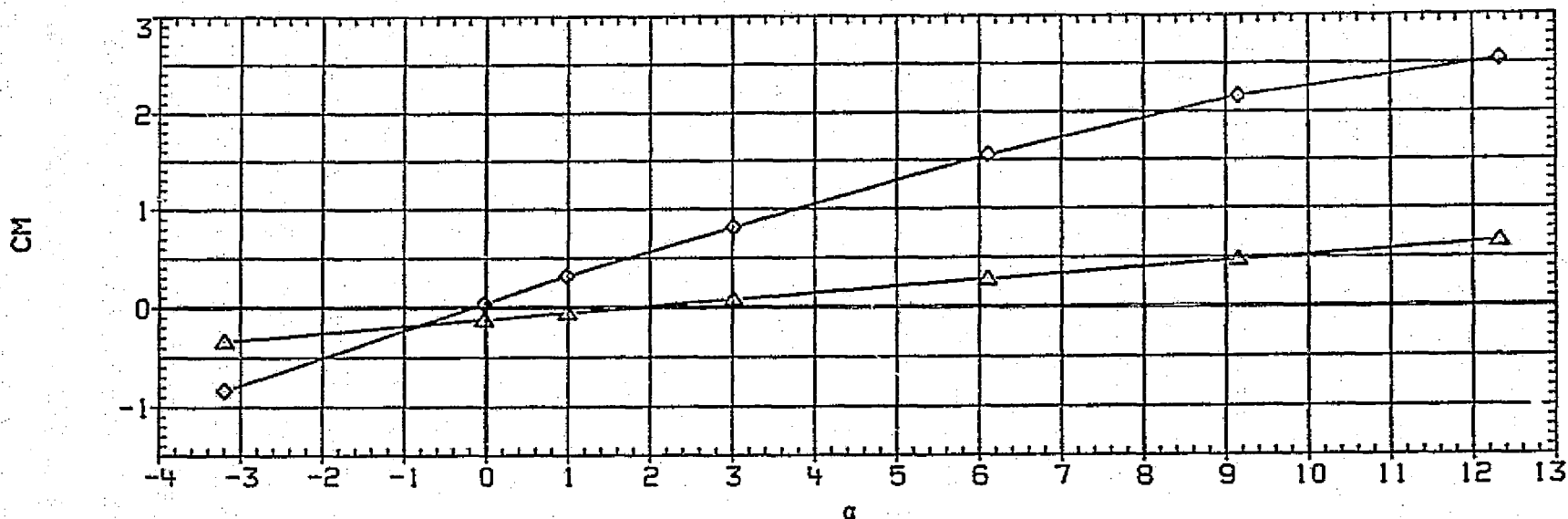


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ218) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CY | MACH | 1.502 | BETA | .000 |
| ◇ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | -3.000 | D4 | -3.000 |
| ◇ | CYB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | | |

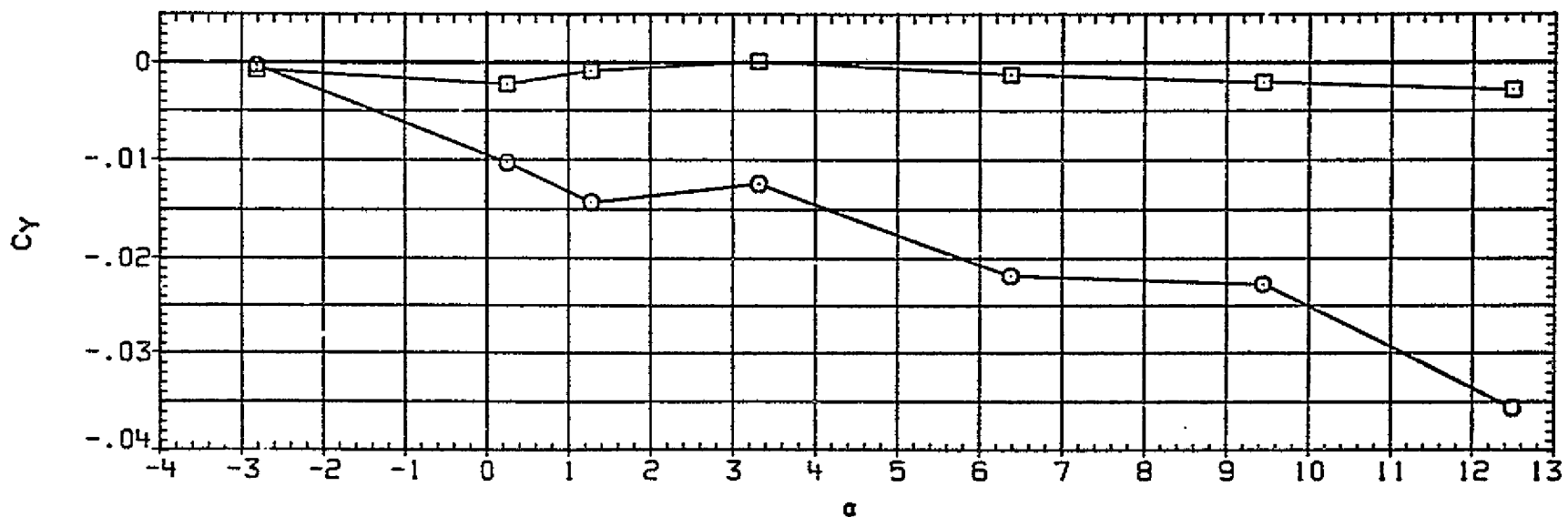
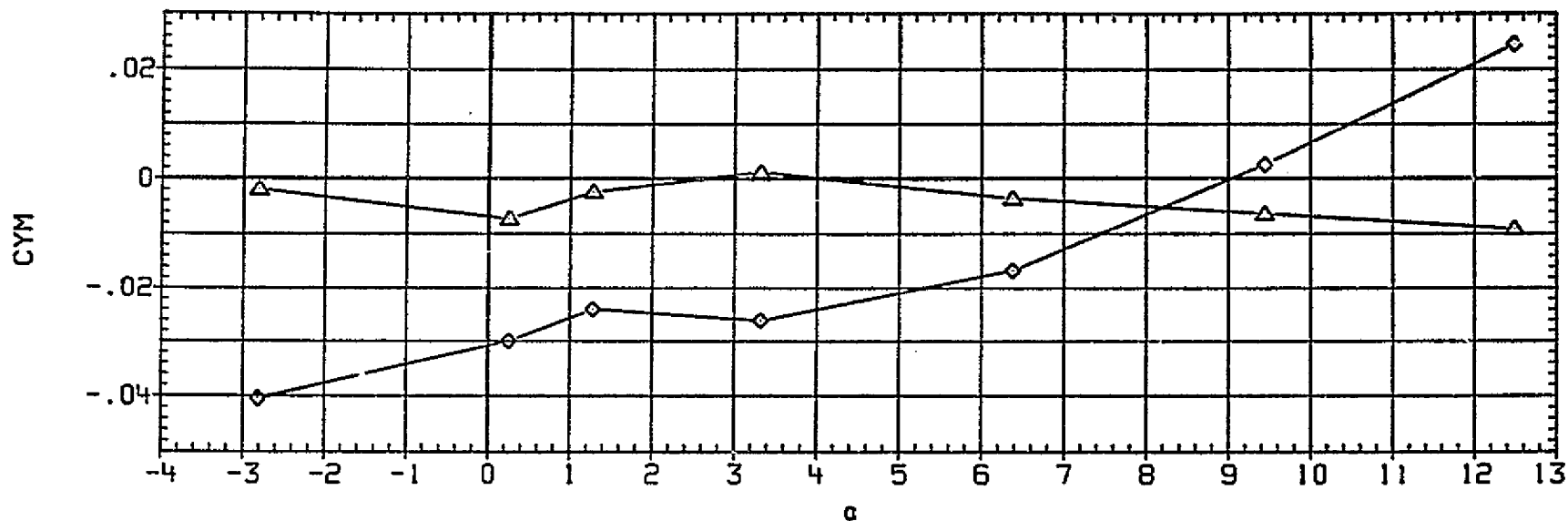


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ218) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CY | MACH | 1.993 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | -3.000 | D4 | -3.000 |
| △ | CYMB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | | |

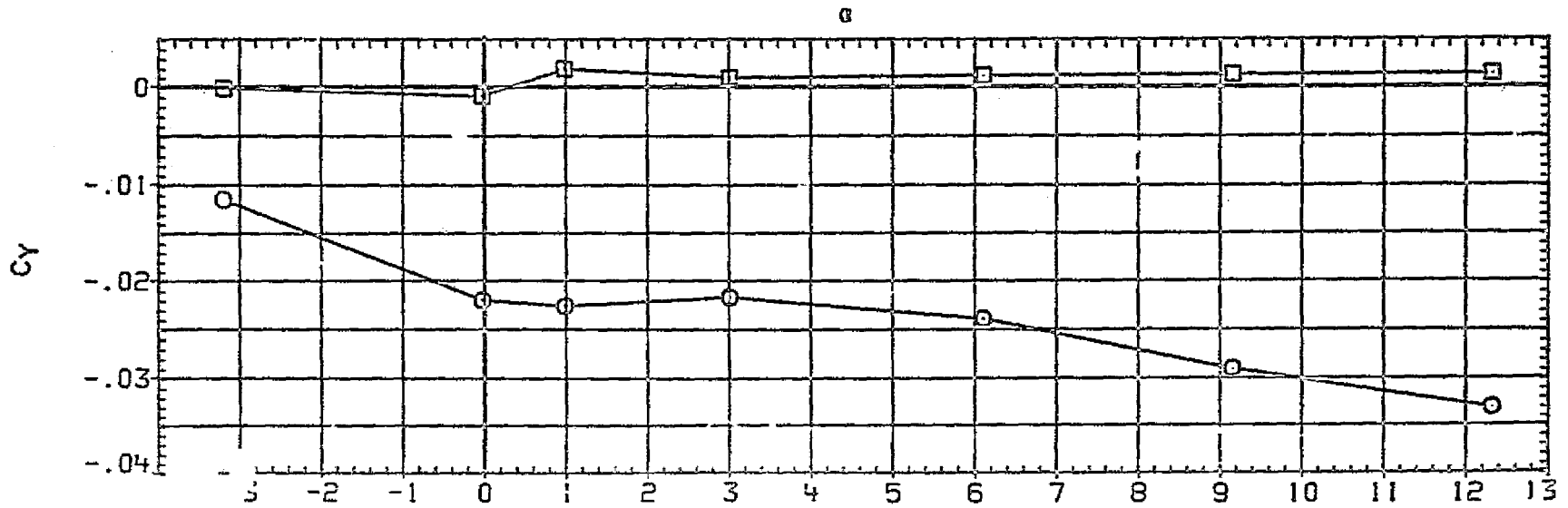
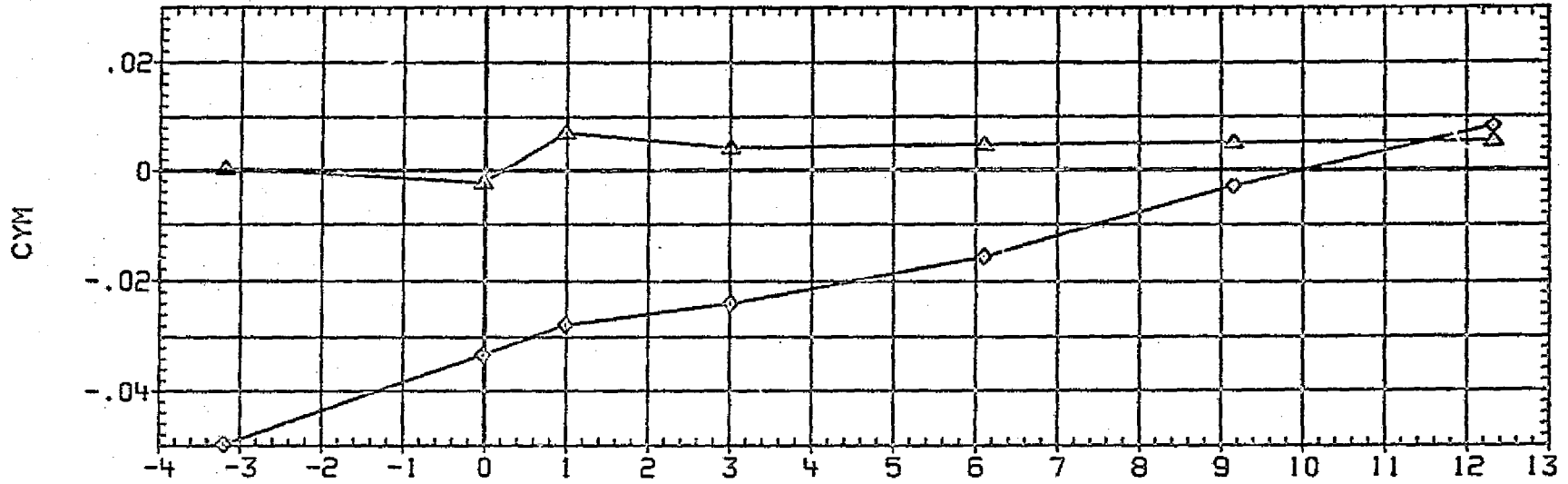


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ218) CONFIGURATION 12 (BNIC)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| □ | CRM | HACH | 1.502 | BETA | .000 |
| ◇ | CRM2 | D1 | .000 | D3 | .000 |
| | CA | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | | |

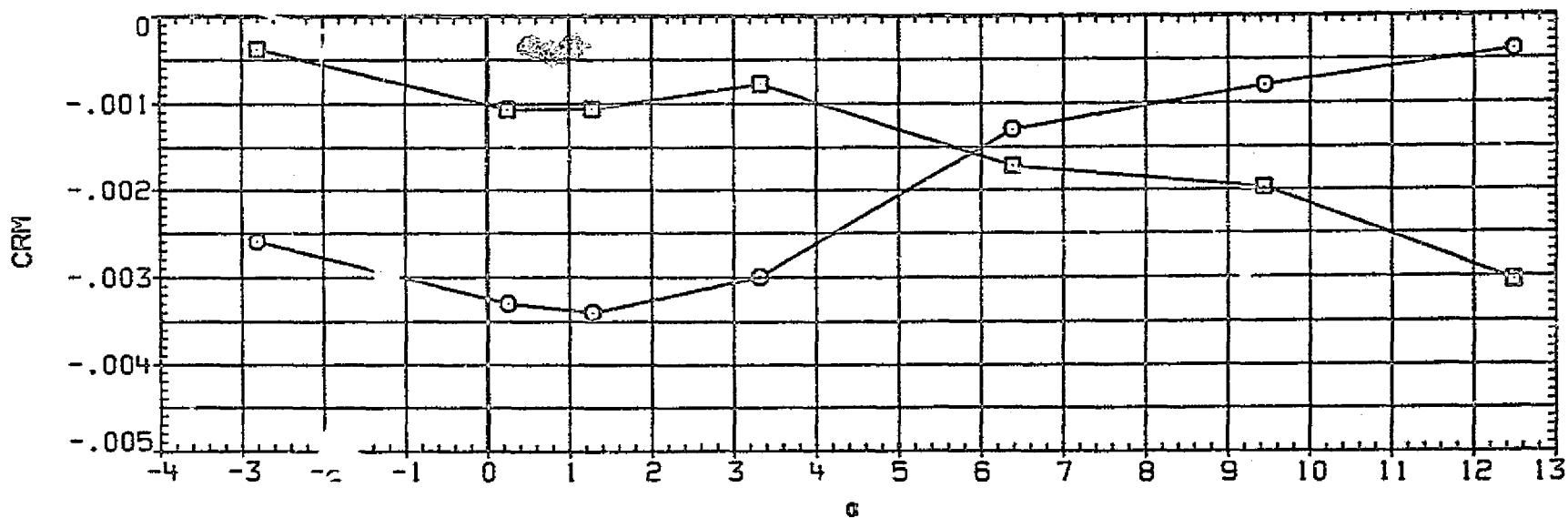
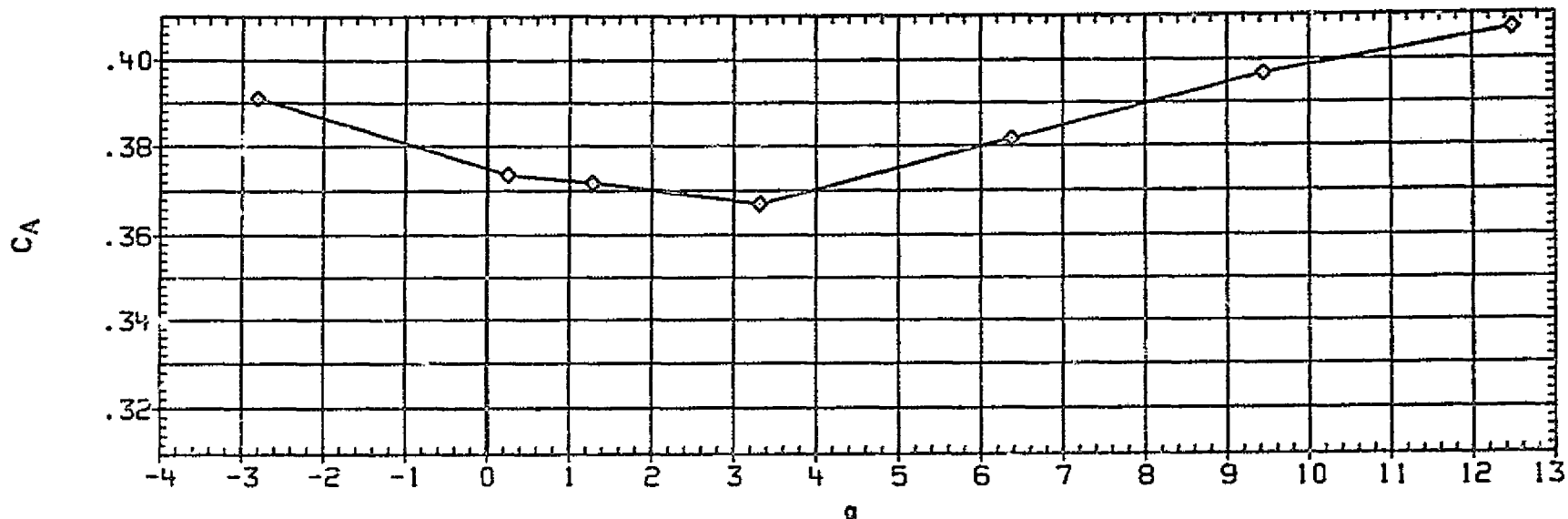


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ218) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|------|--------|
| ◇ | CRM | MACH | 1.993 | BETA | .000 |
| □ | CRM _B | D1 | .000 | D3 | .000 |
| | CA | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | | |

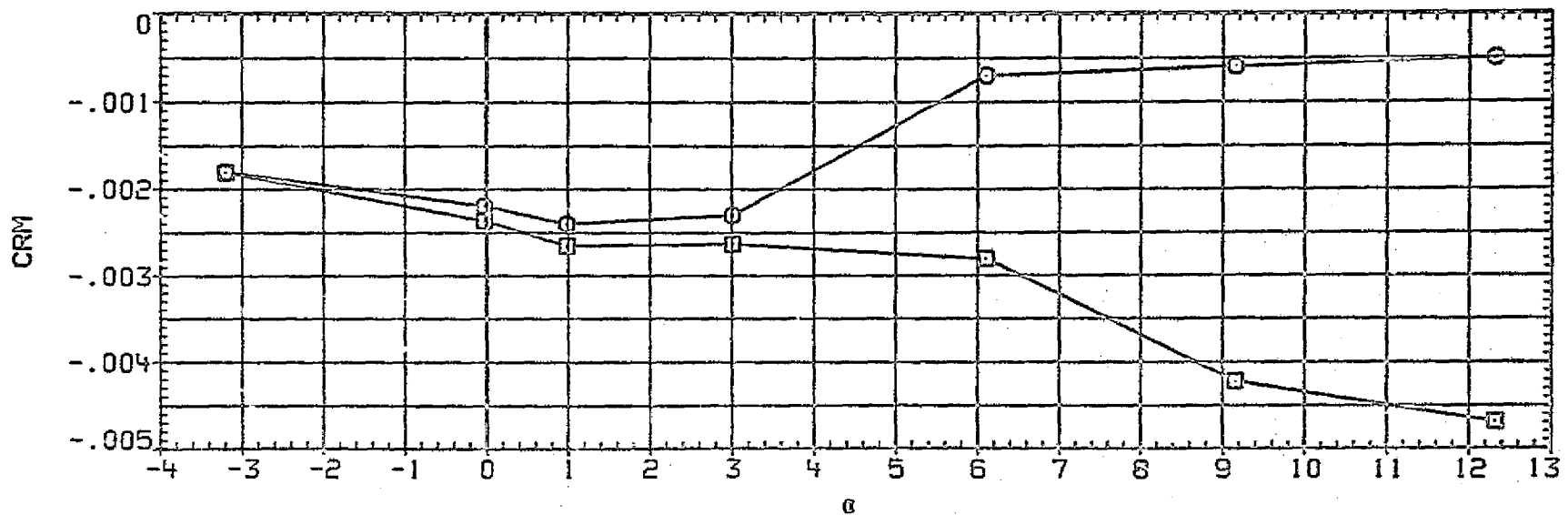
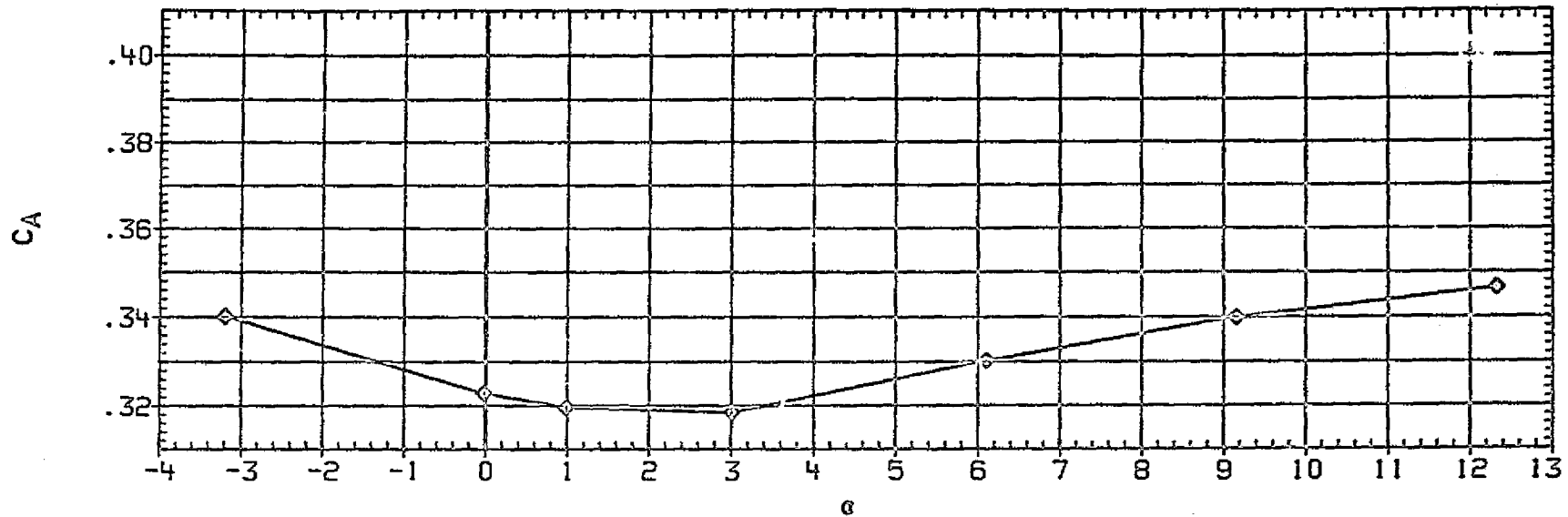


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE2219) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | MACH | 1.499 | BETA | .000 |
|--------|------|-------|-------|------|------|
| ○ | CN | D1 | .000 | D3 | .000 |
| ◇ | CNB | D2 | .000 | D4 | .000 |
| △ | CM | D1-3 | .000 | D2-4 | .000 |
| | CMB | PHI-C | .000 | | |

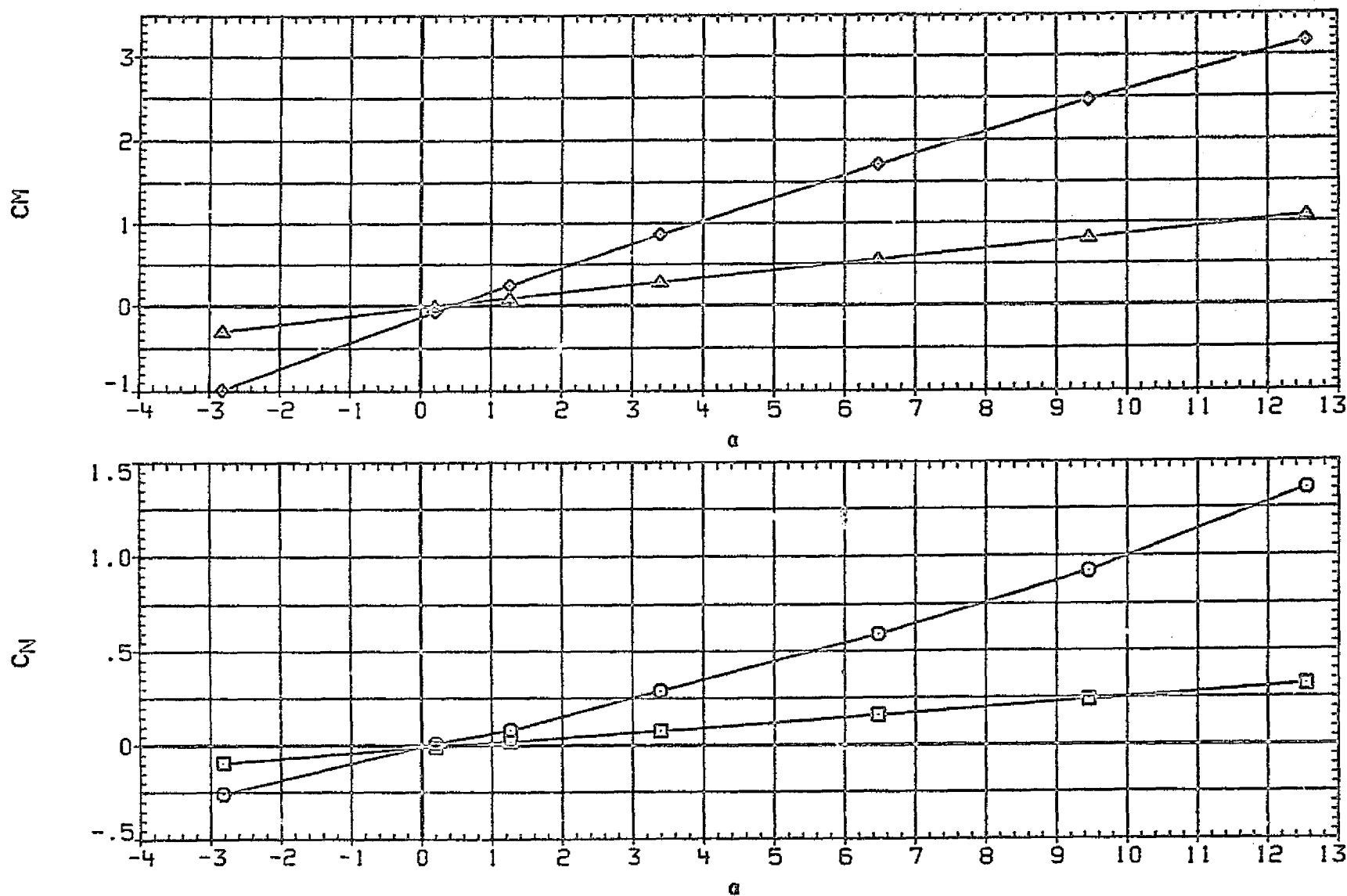


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ219) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|------|
| ○ | CN | MACH | 1.998 | BETA | .000 |
| ◇ | CNS | D1 | .000 | D3 | .000 |
| □ | CM | D2 | .000 | D4 | .000 |
| △ | CMB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | | |

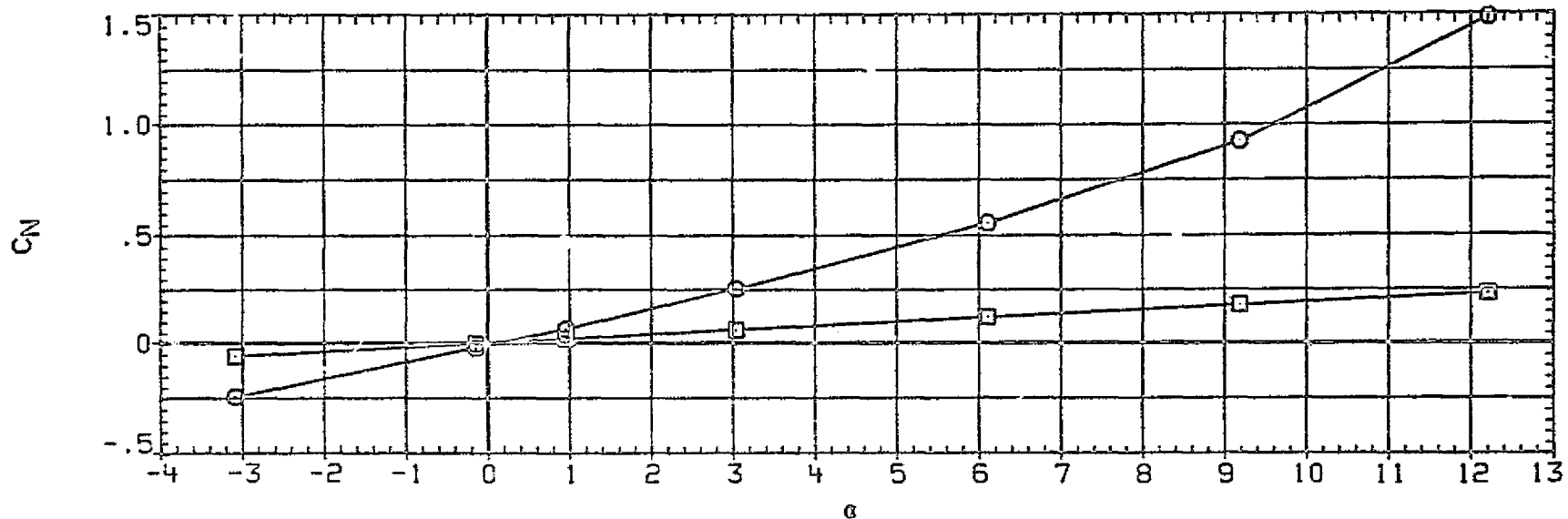
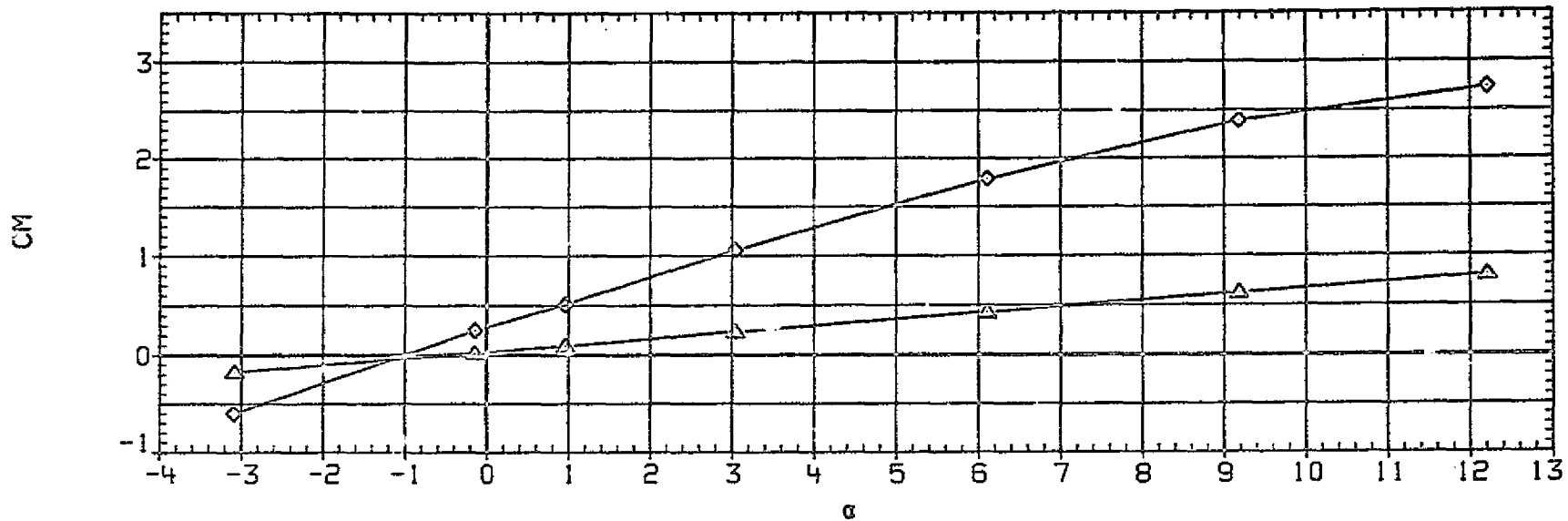


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ219) CONFIGURATION 12 (8NIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|------|
| ◇ | CY | MACH | 1.488 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| ○ | CYM | D2 | .000 | D4 | .000 |
| △ | CYB | D1-3 | .000 | D2-4 | .000 |
| | | FHI-C | .000 | | |

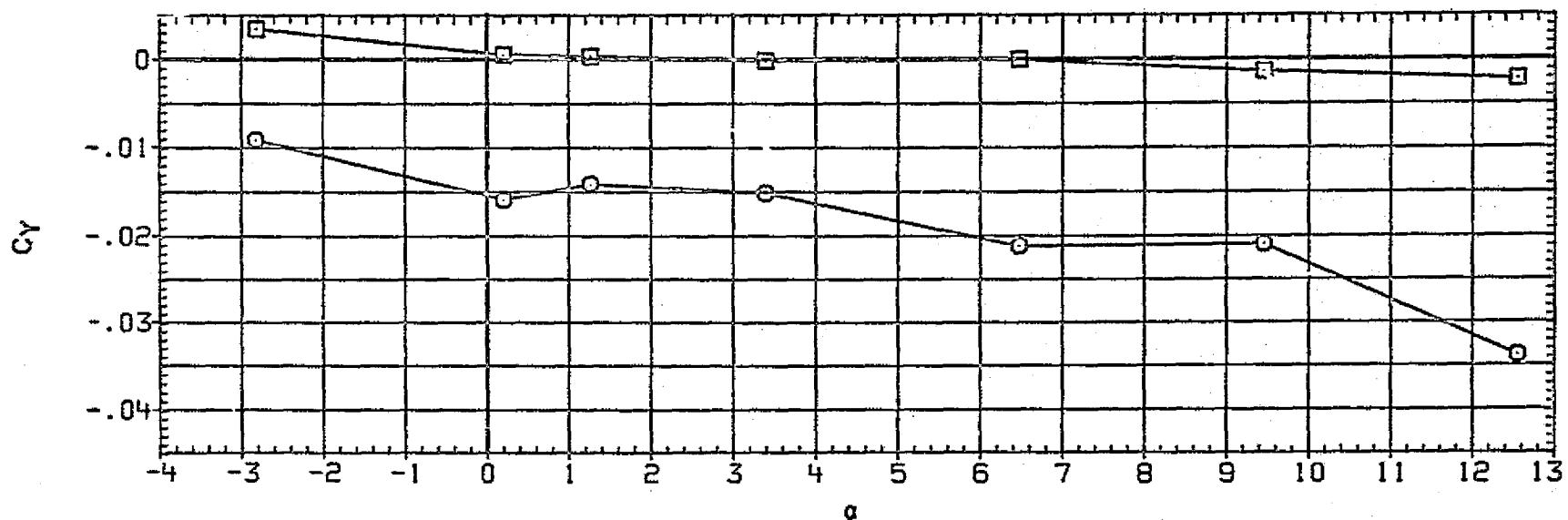
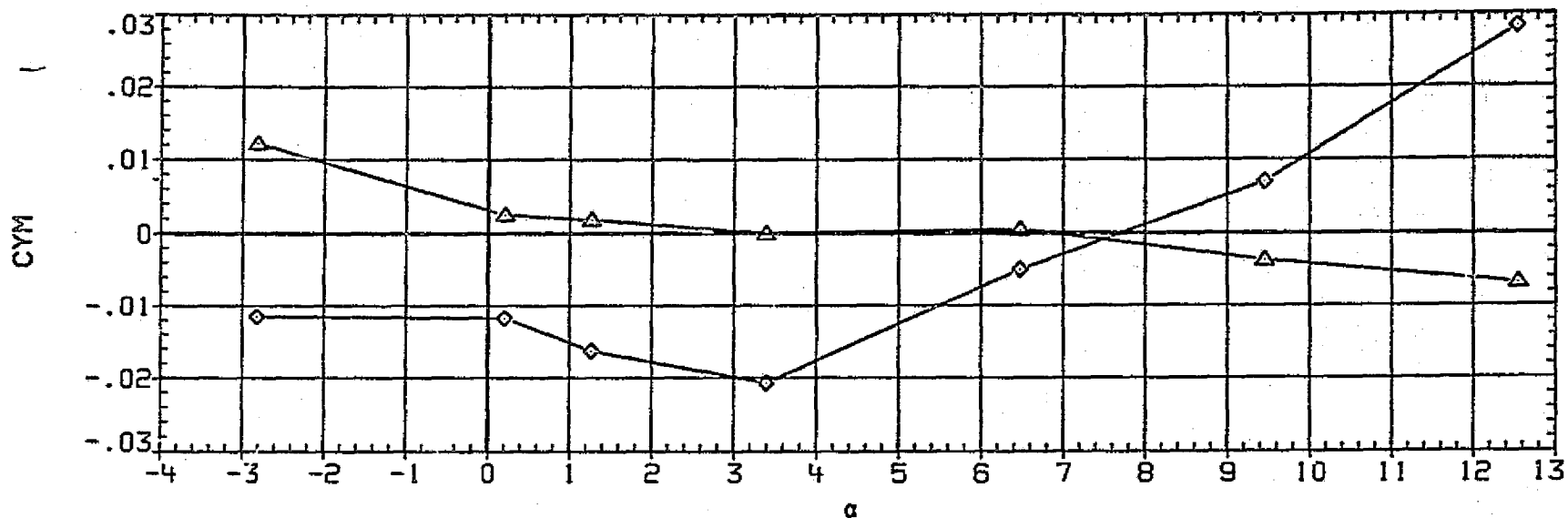


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ219) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|-------|------|------|
| ○ | CY | MACH | 1.998 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | .000 | D4 | .000 |
| △ | CYM _B | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | | |

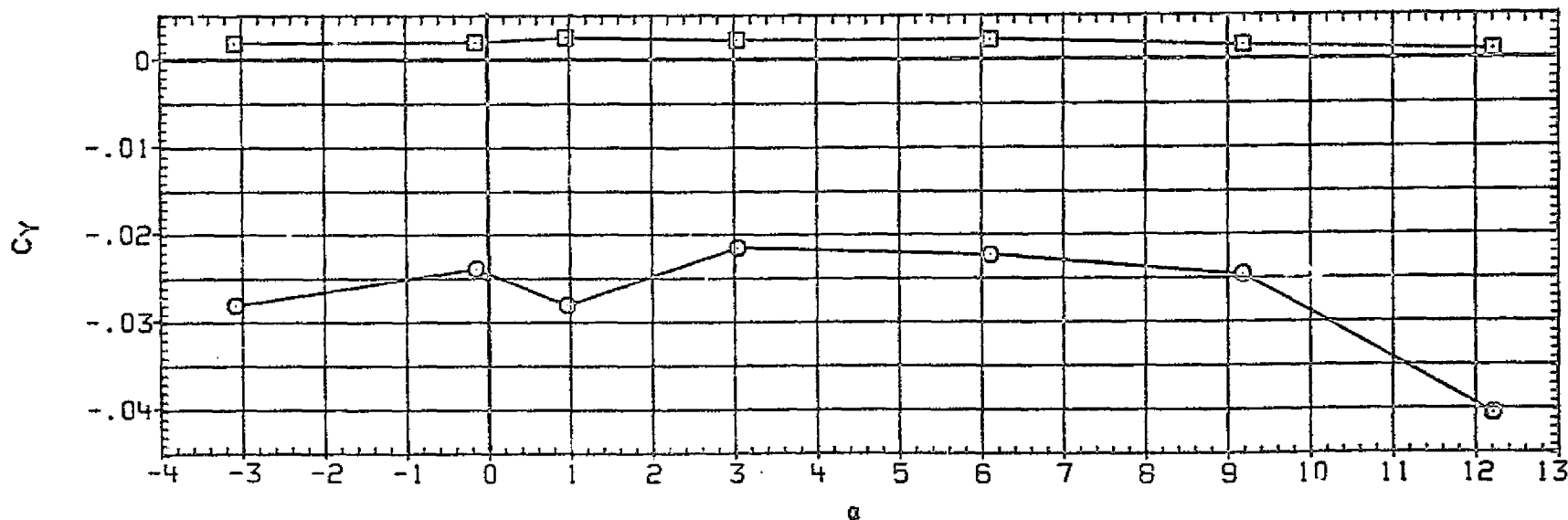
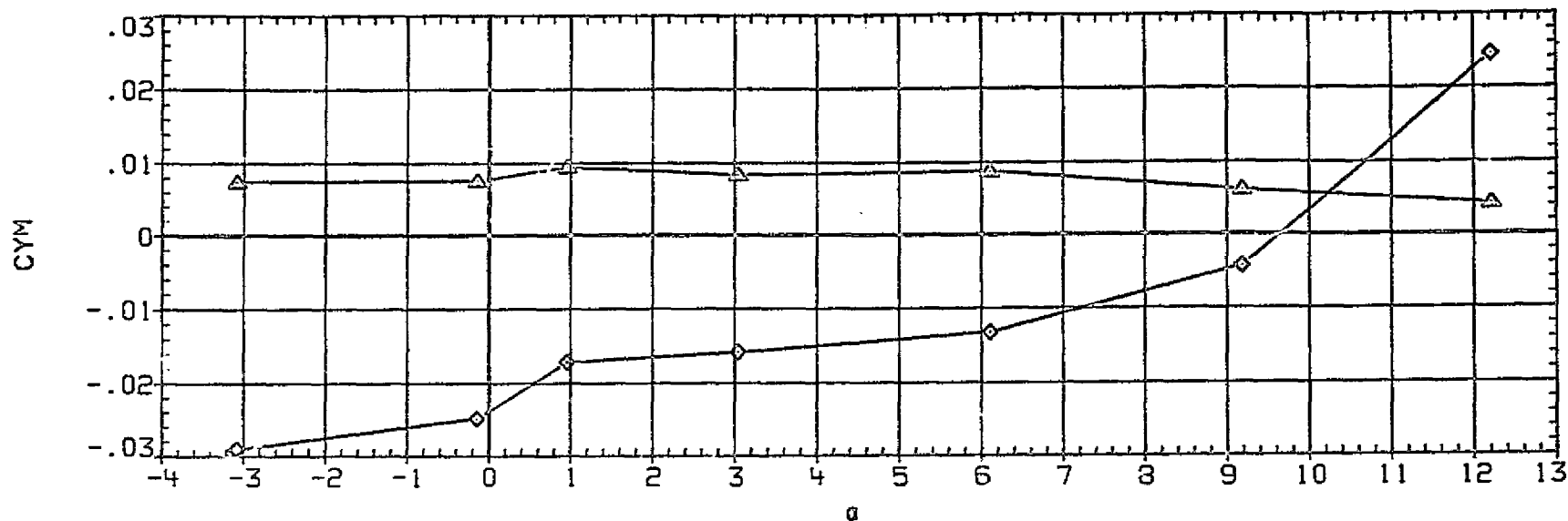


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ219) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|-------|------|------|
| ◇ | CRM | MACH | 1.498 | ESTB | .000 |
| ◇ | CRM _B | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | | |

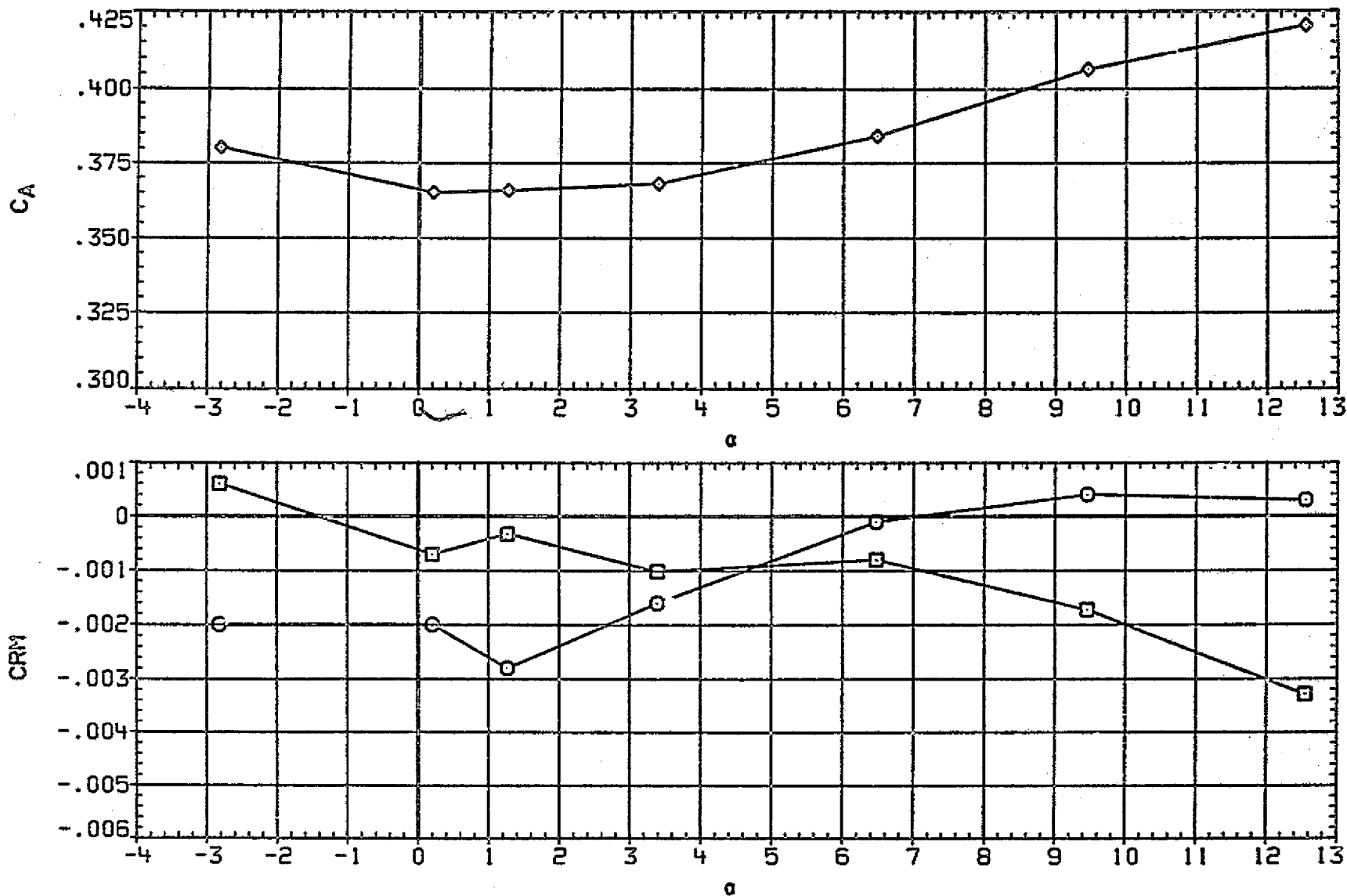


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ219) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|-------|------|------|
| ◇ | CRM | MACH | 1.998 | BETA | .000 |
| □ | CRM _B | D1 | .000 | D3 | .000 |
| ○ | CA | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | | |

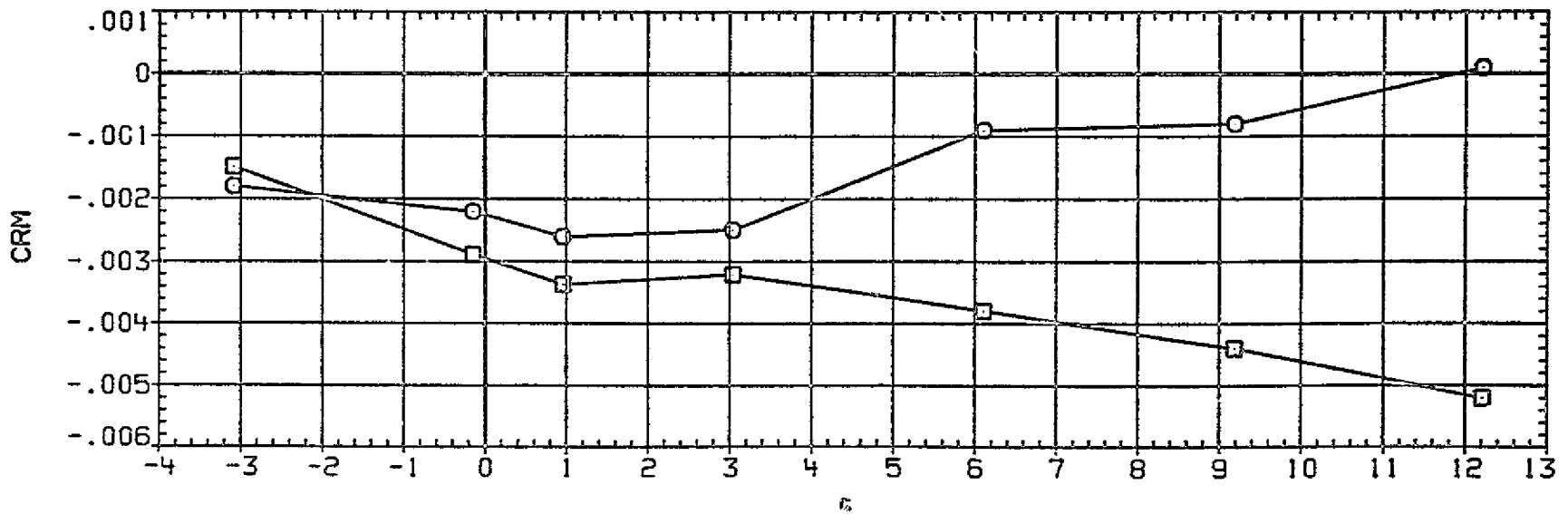
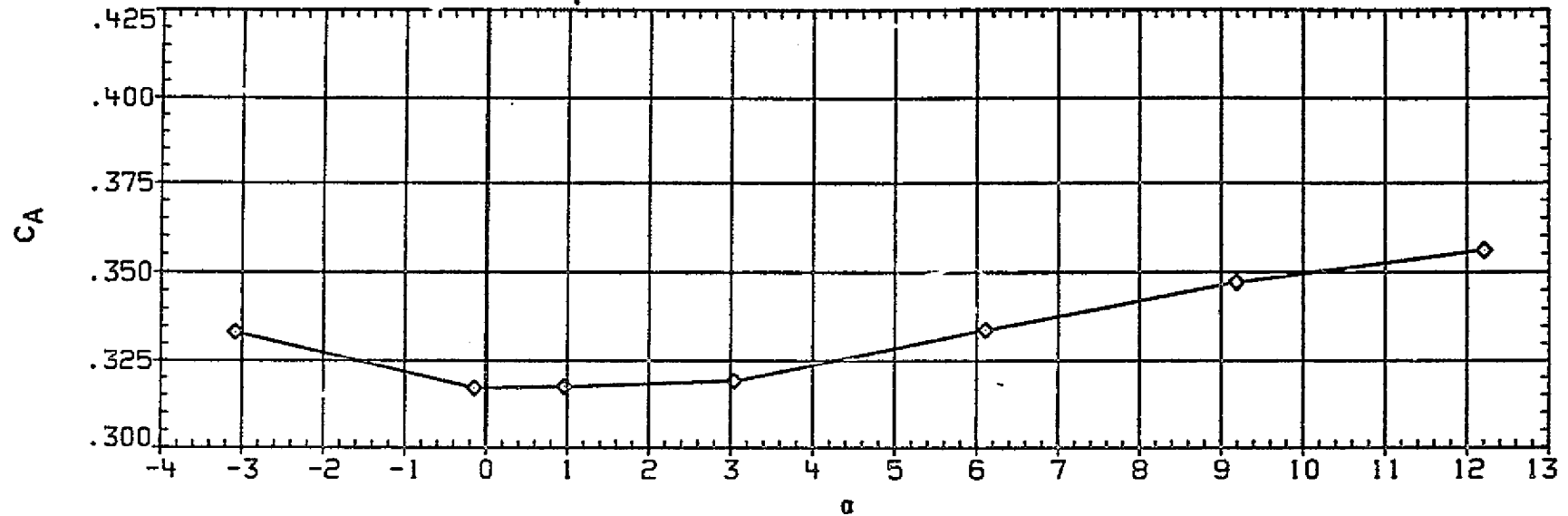


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE2220) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CN | MACH | 1.498 | BETA | .000 |
| □ | CMB | D1 | .000 | D3 | .000 |
| △ | CM | D2 | 1.000 | D4 | 1.000 |
| | CMB | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | | |

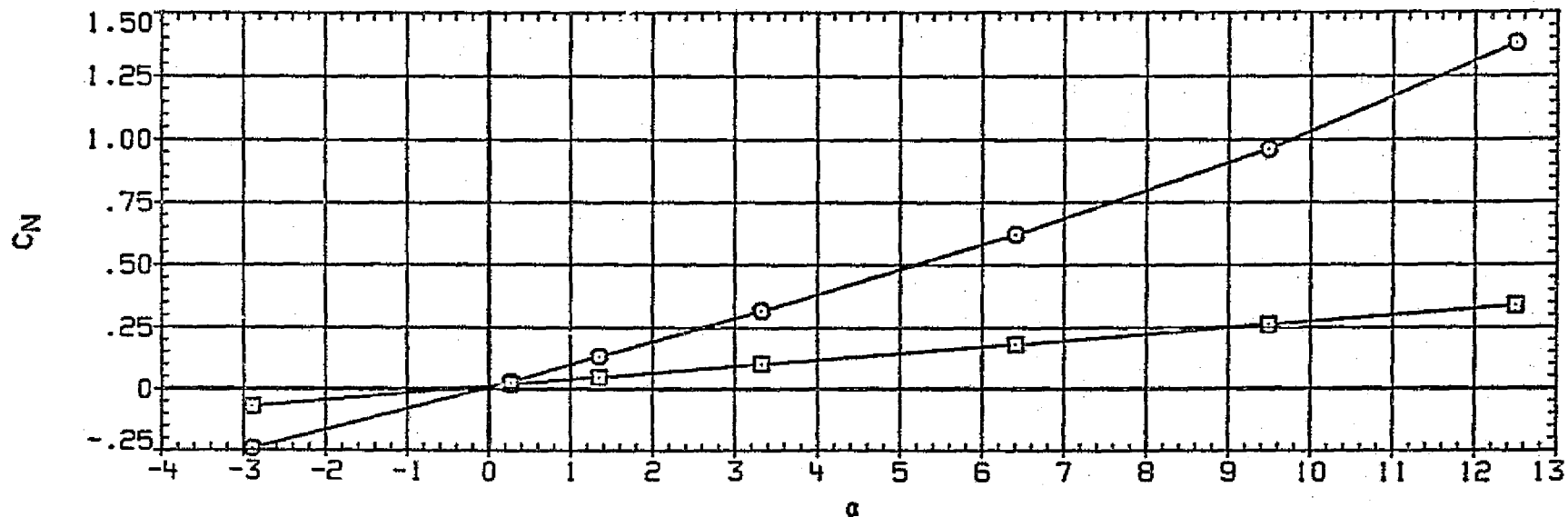
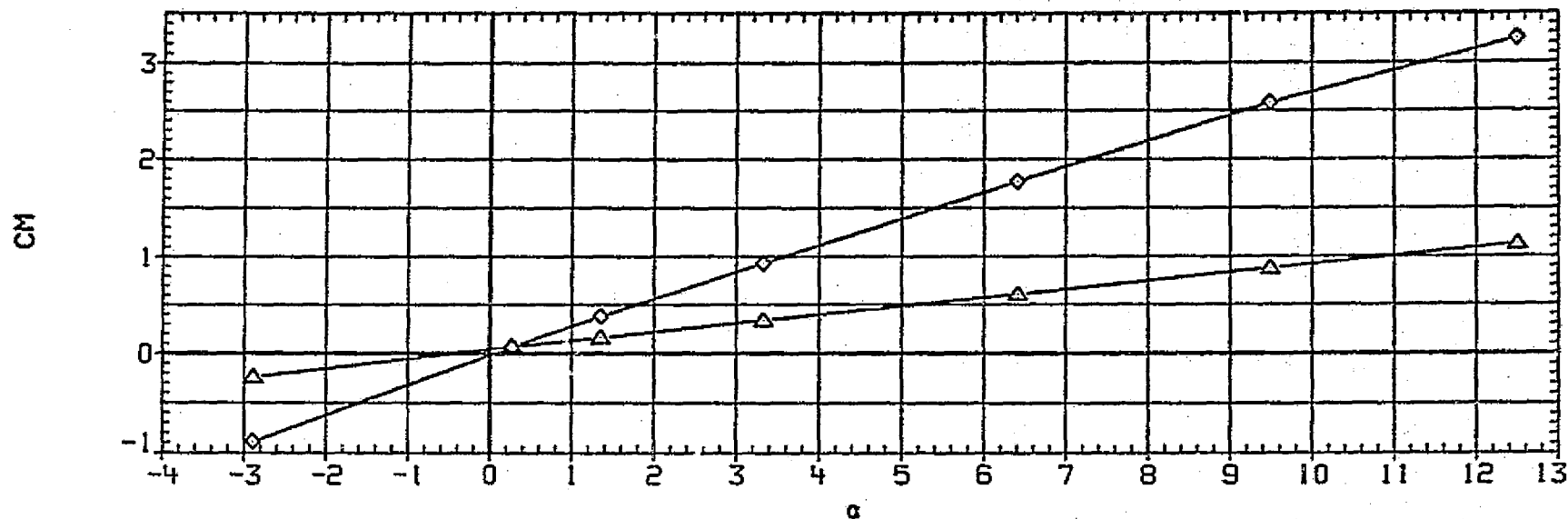


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ220) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CN | MACH | 1.997 | BETA | .000 |
| □ | CNB | D1 | .000 | D3 | .000 |
| ○ | CM | D2 | 1.000 | D4 | 1.000 |
| △ | CMB | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | | |

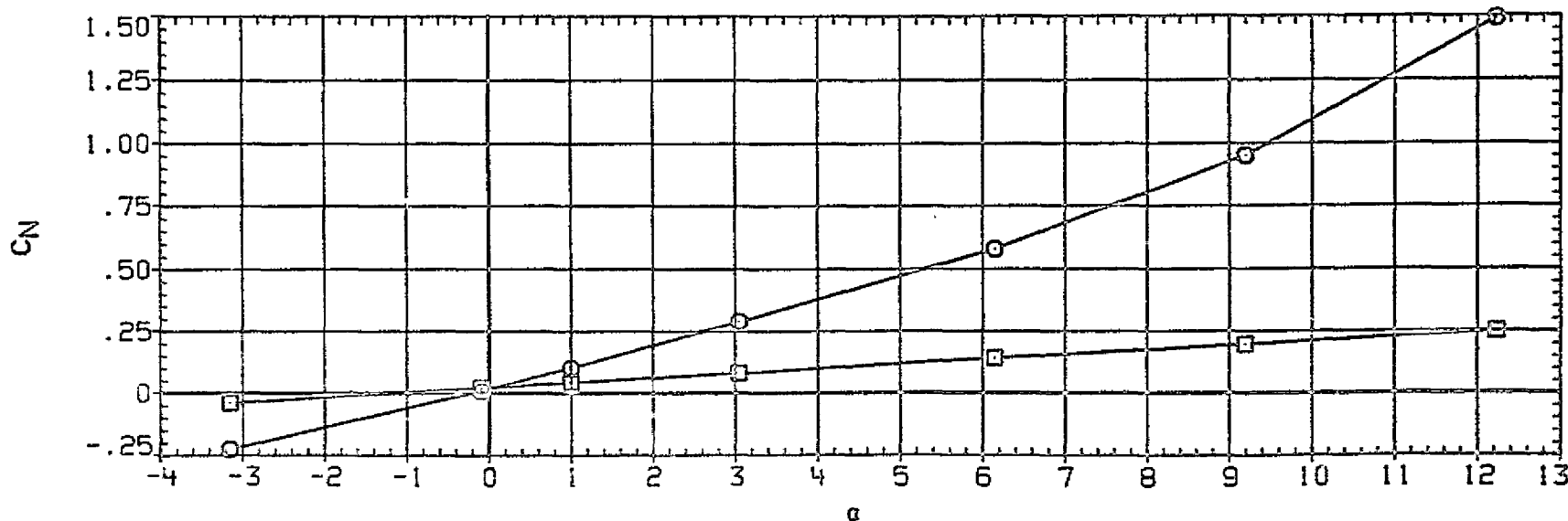
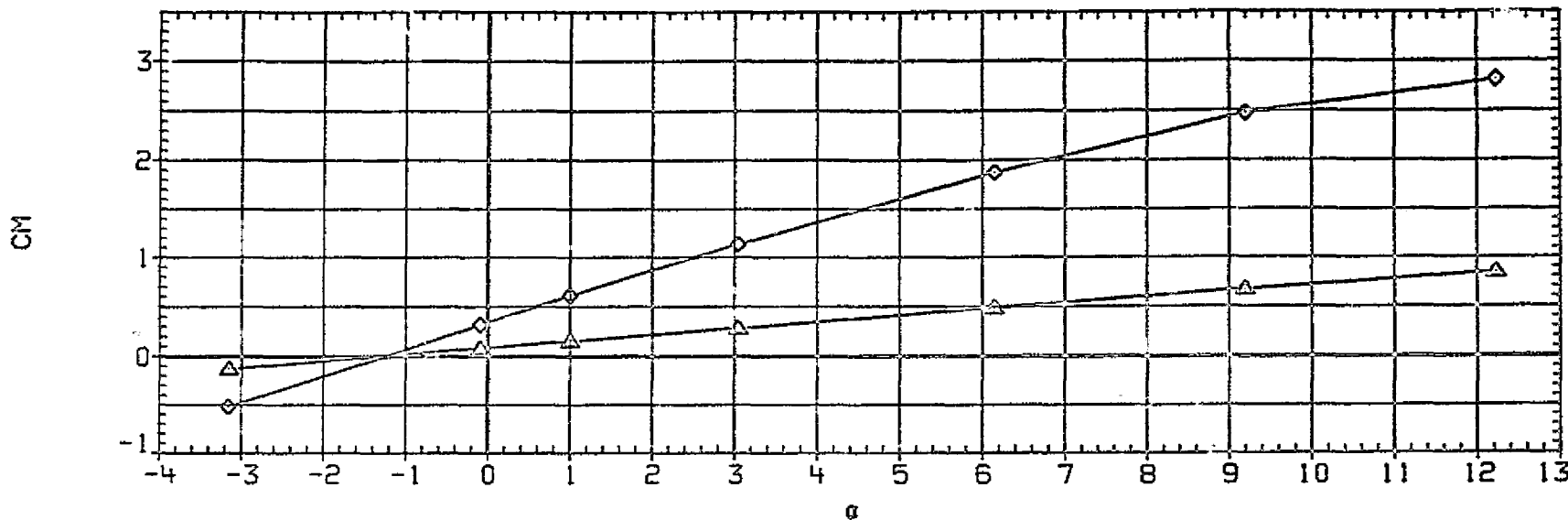


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ220) CONFIGURATION 12 (BNIC4)

| SYMSOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CY | MACH | 1.498 | BETA | .000 |
| ◇ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | 1.000 | D4 | 1.000 |
| △ | CYMS | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | | |

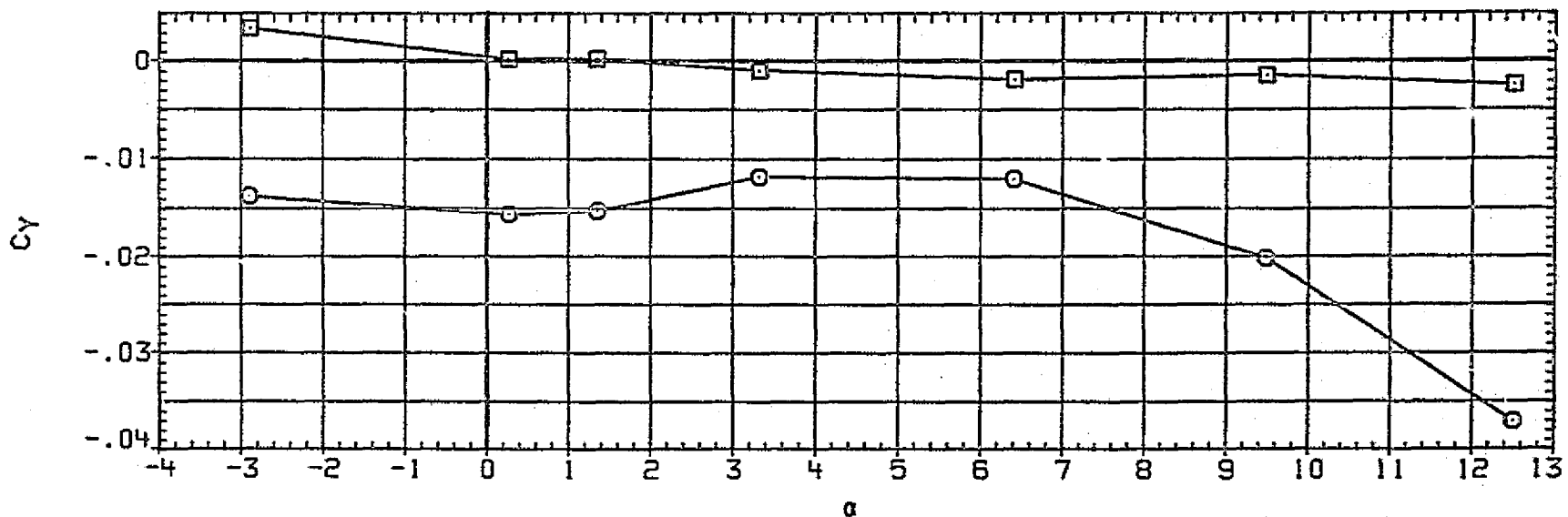
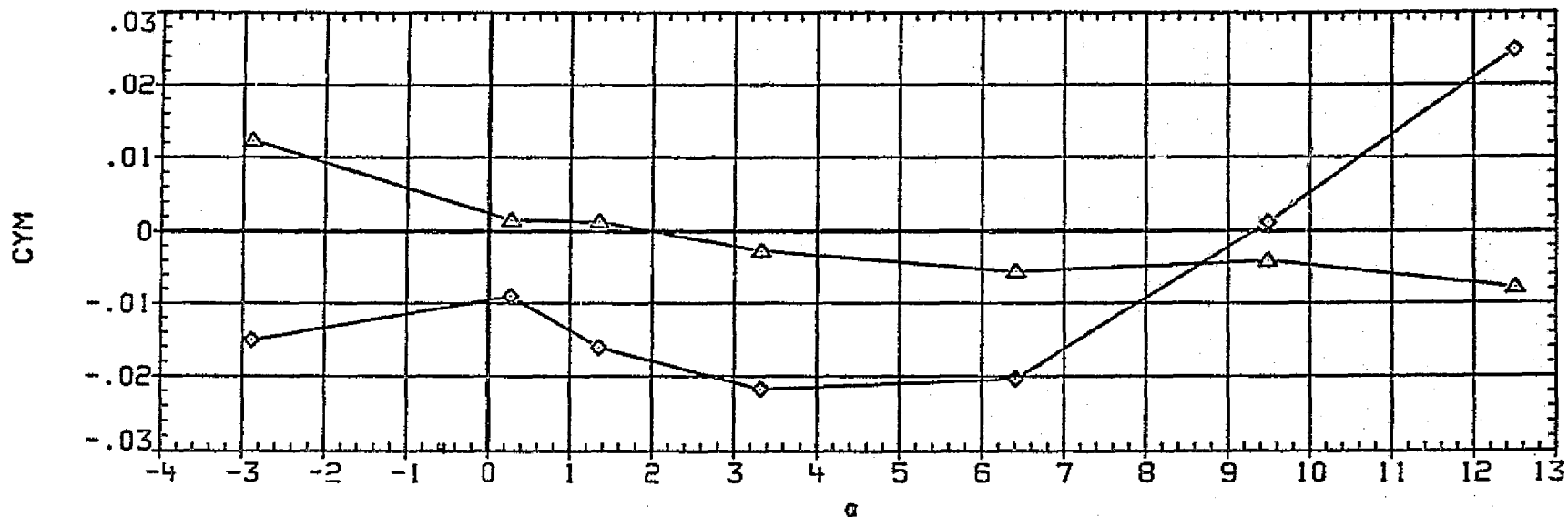


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ220) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ○ | CY | MACH | 1.997 | BETA | .000 |
| ◇ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | 1.000 | D4 | 1.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | | |

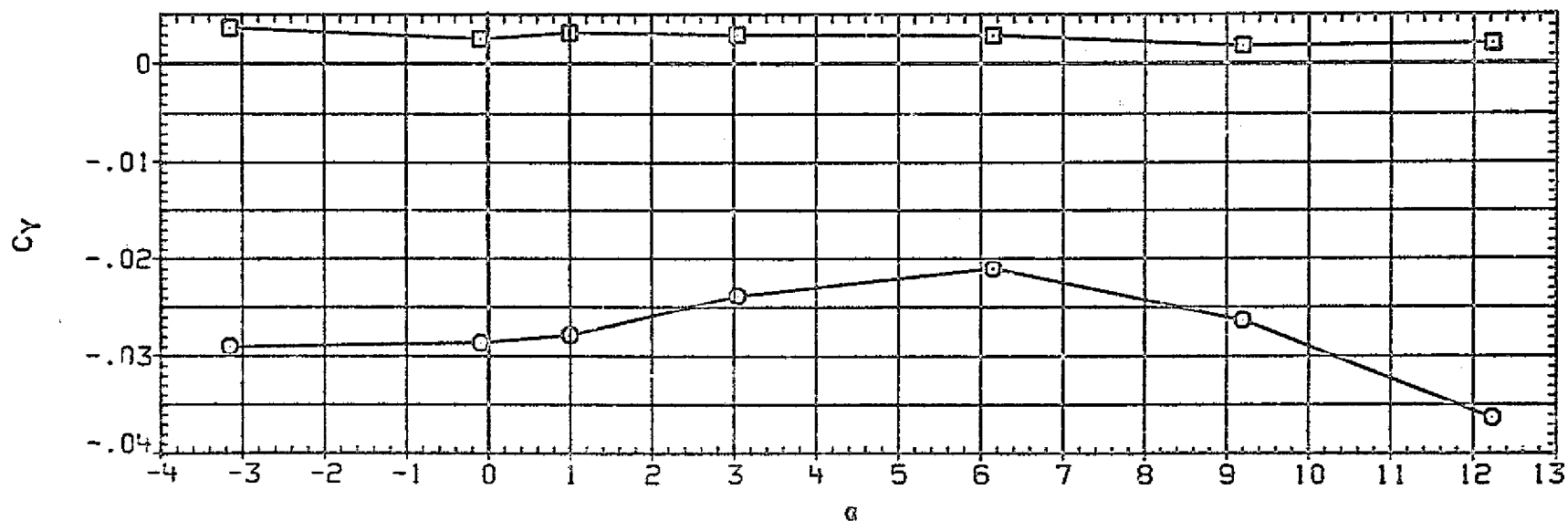
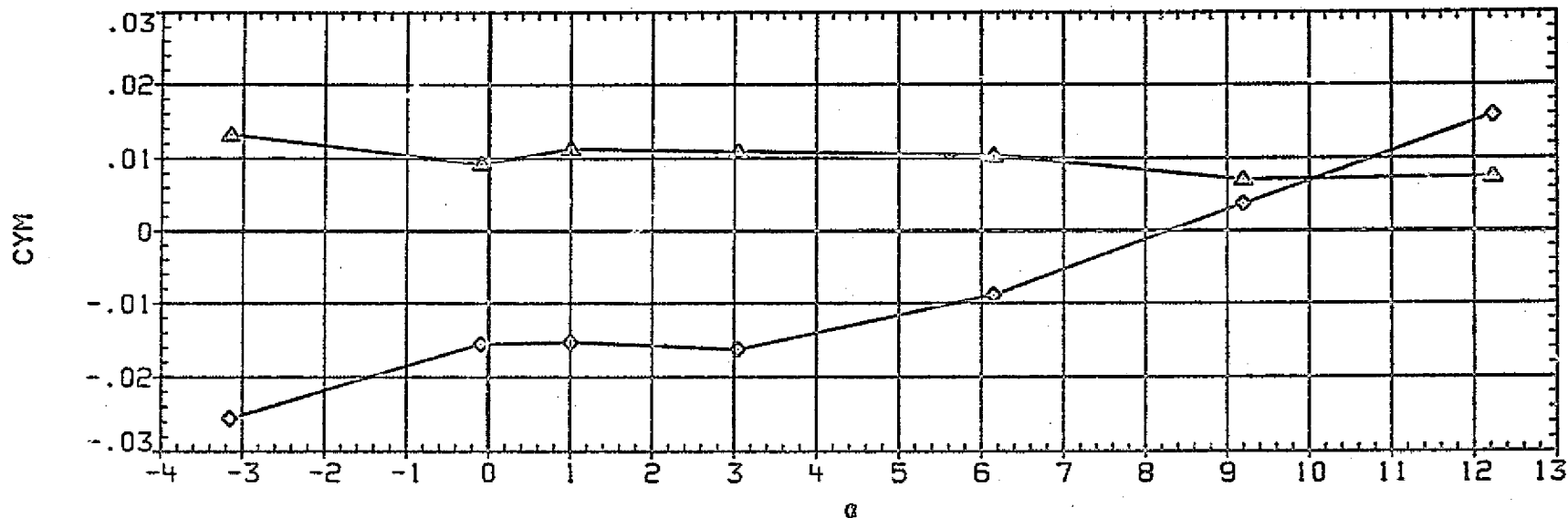


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ220) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CRM | MACH | 1.498 | BETA | .000 |
| ◇ | CRM3 | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | | |

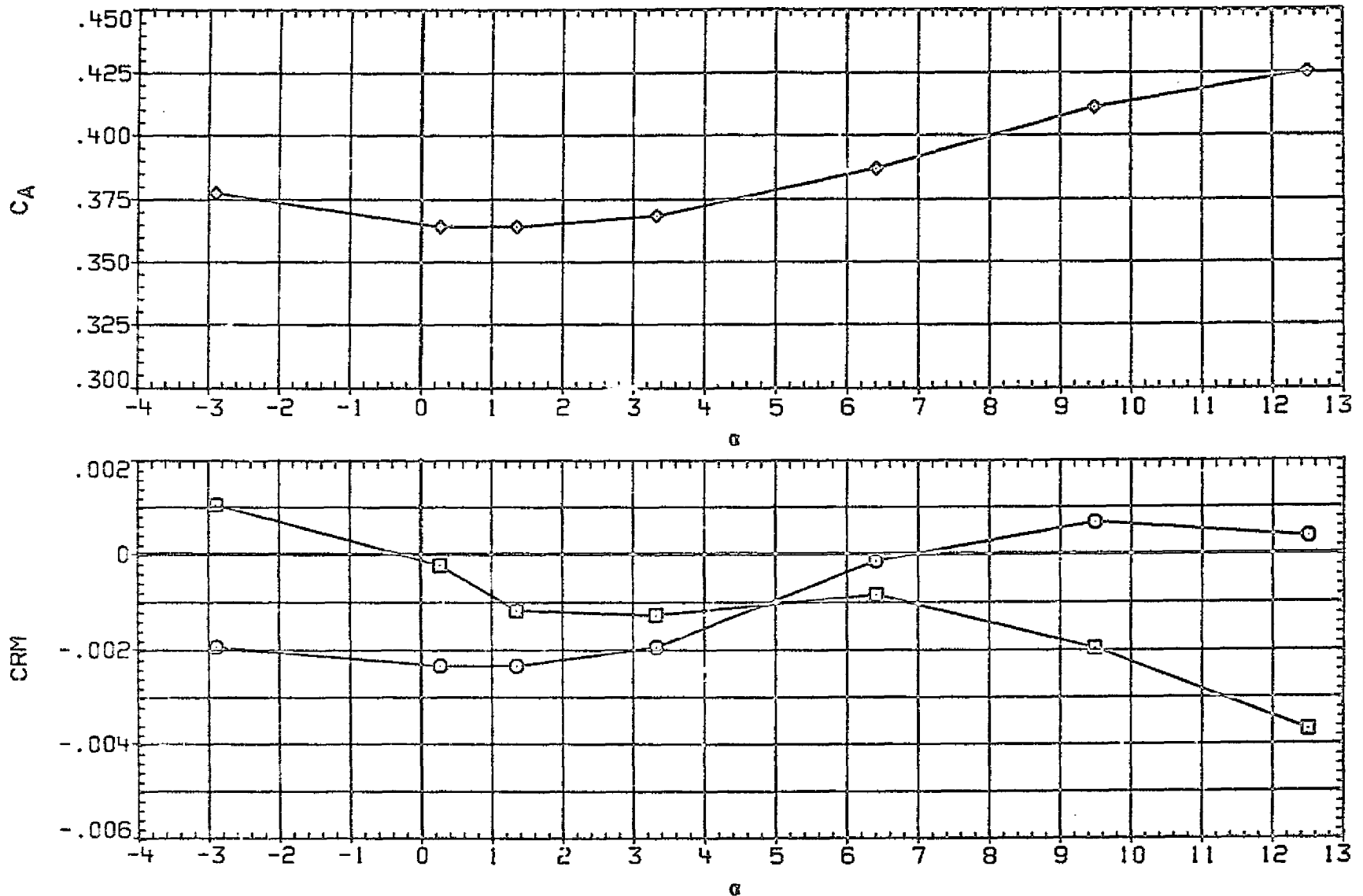


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ220) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CRM | MACH | 1.997 | BETA | .000 |
| ◇ | CRM3 | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | | |

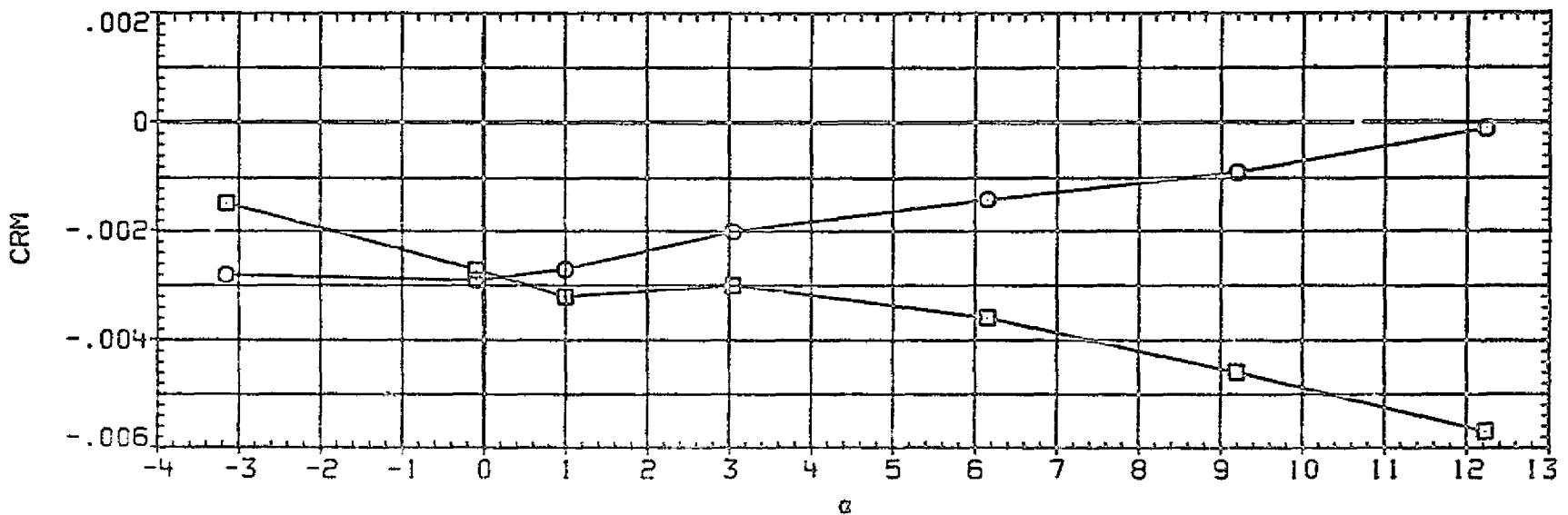
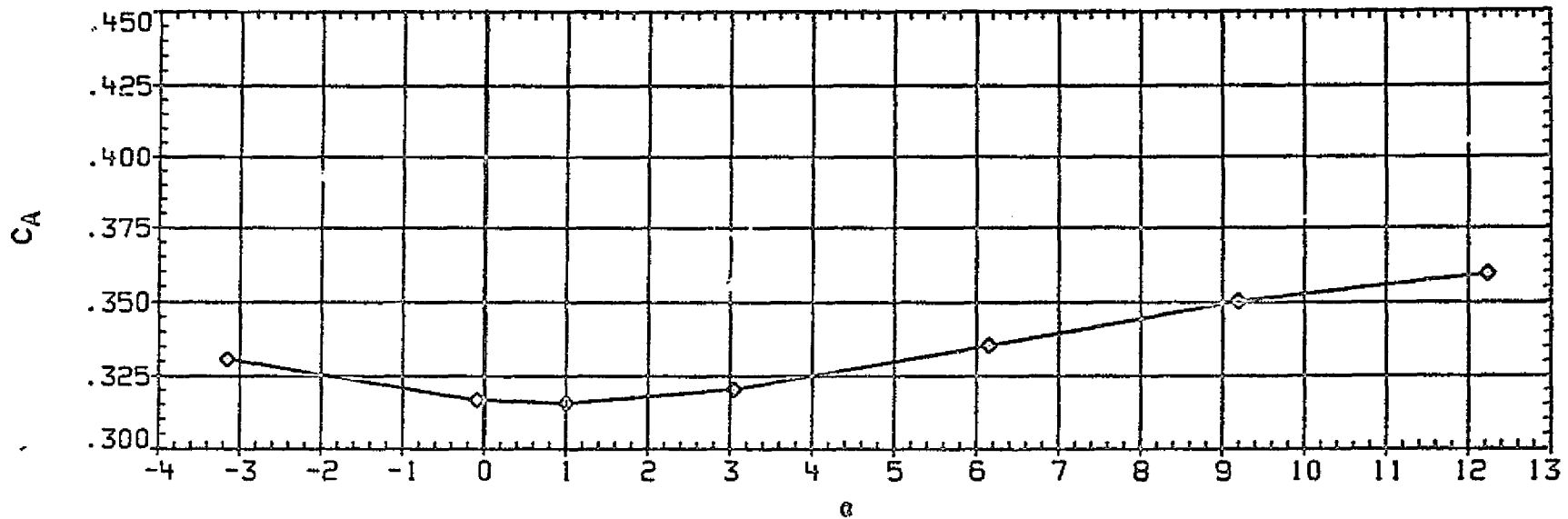


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE221) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ○ | CN | MACH | 1.459 | ETA | .000 |
| □ | CN | D1 | .000 | D3 | .000 |
| ◇ | CM | D2 | 3.000 | D4 | .000 |
| △ | CM | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | | |

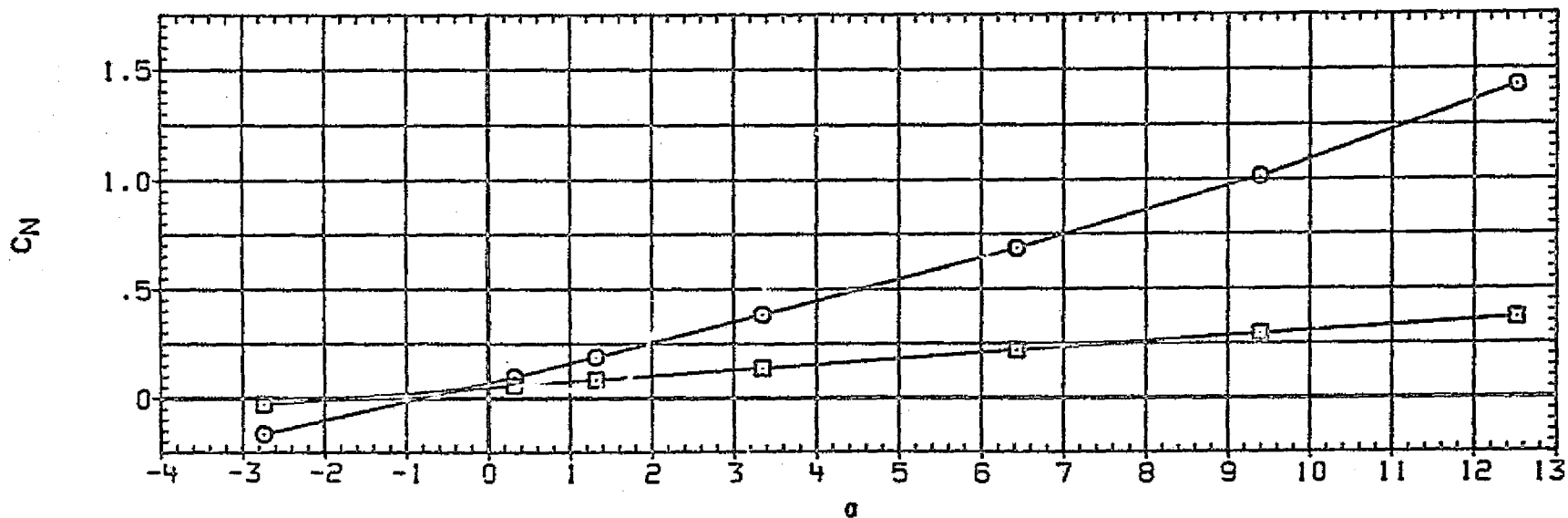
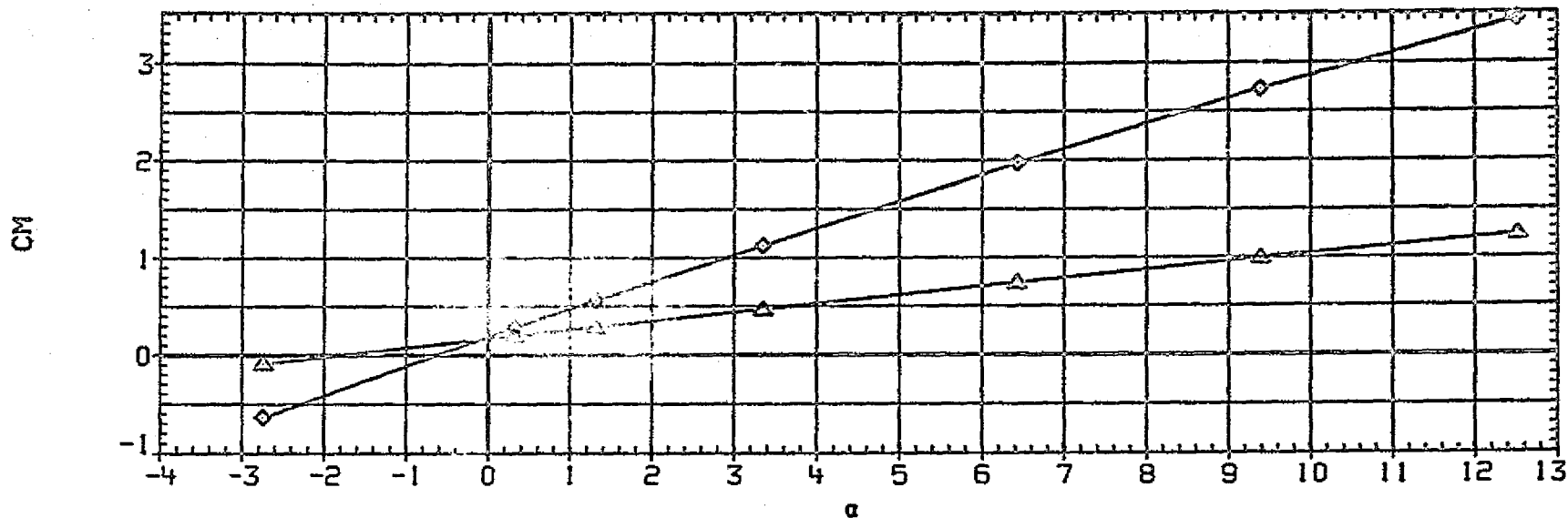


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

C-2

(BEZ221) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ○ | CN | MACH | 1.997 | BETA | .000 |
| □ | CNB | D1 | .000 | D3 | .000 |
| ◇ | CM | D2 | 3.000 | D4 | 3.000 |
| △ | CMB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | | |

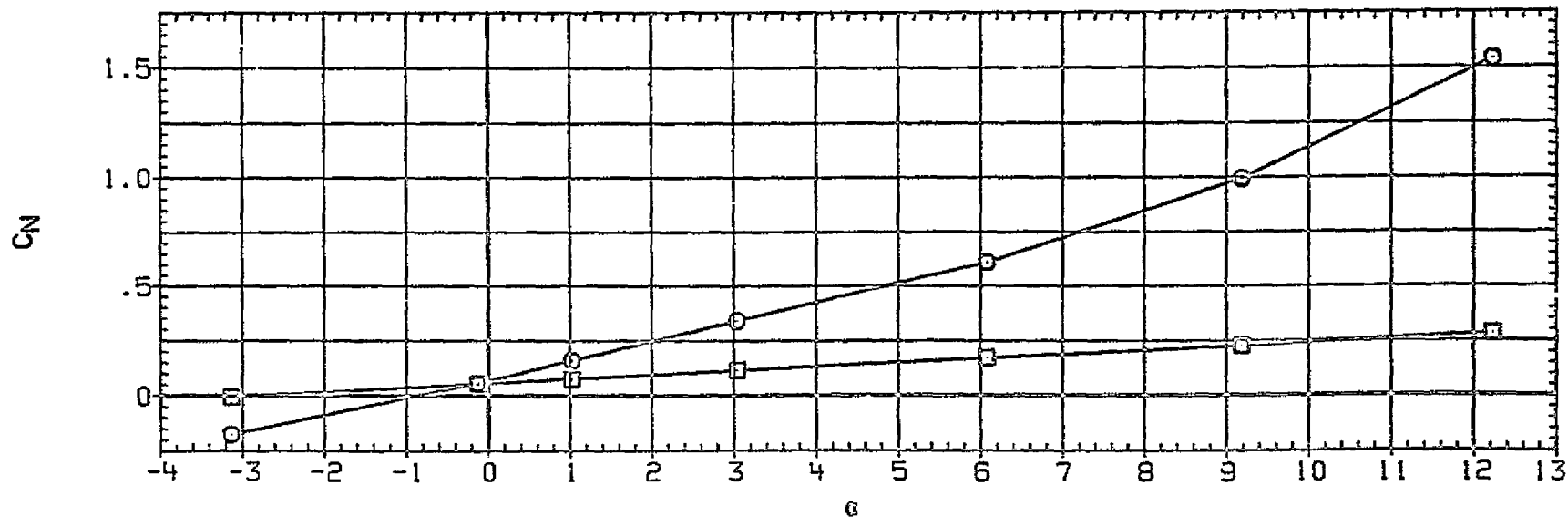
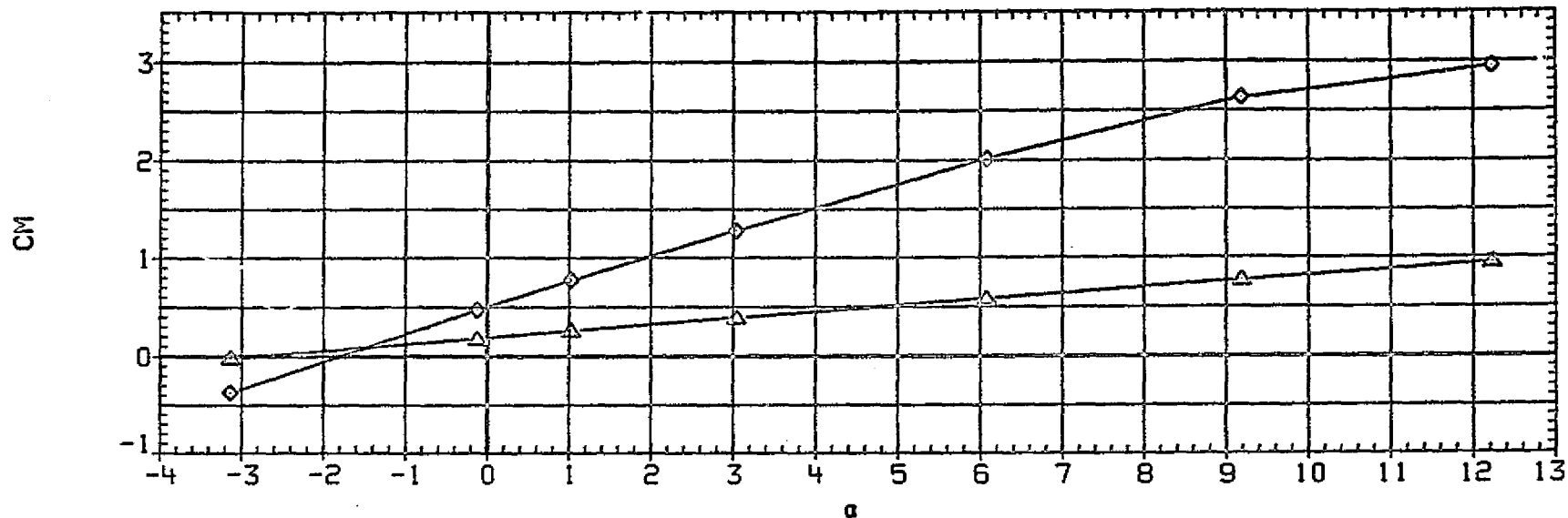


FIG. 7 BODY-CANARD CHARACTERISTICS. MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ221) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ○ | CY | MACH | 1.499 | EETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | 3.000 | D4 | 3.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | | |

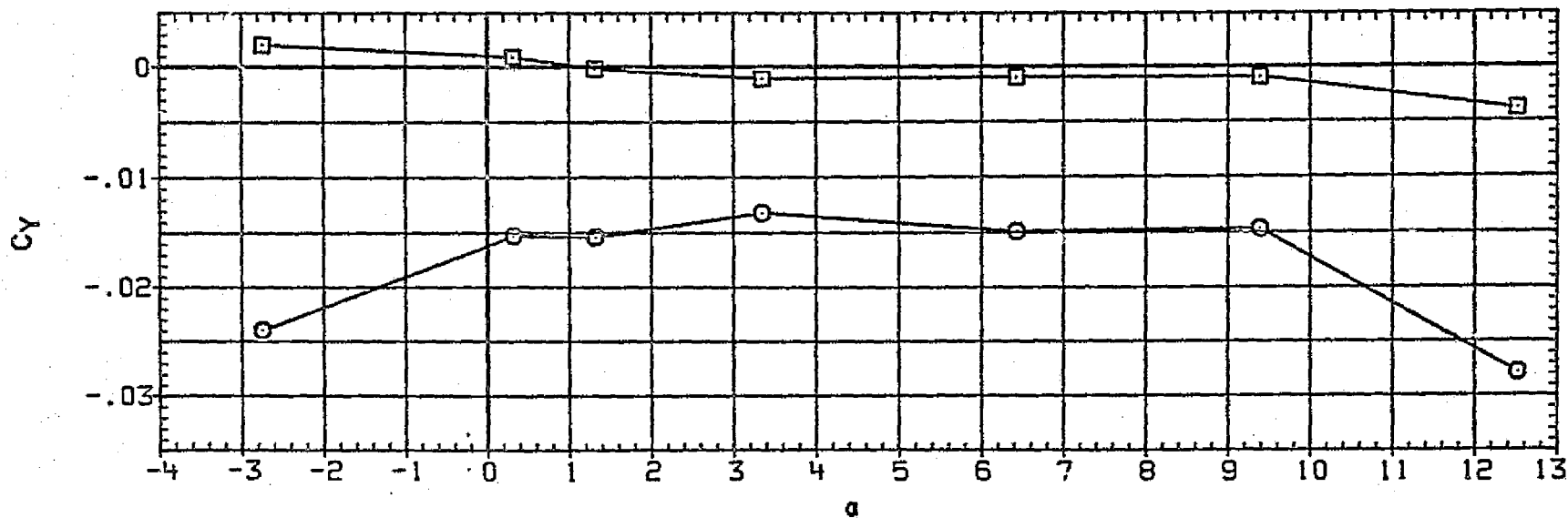
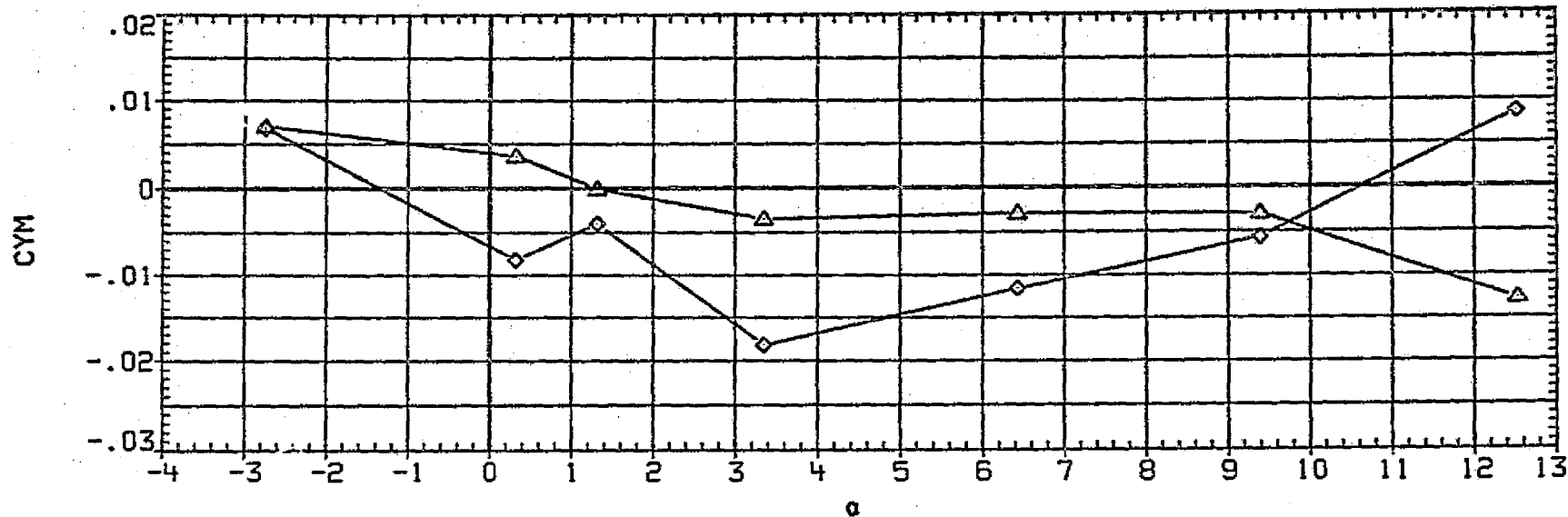


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ221) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ○ | CY | MACH | 1.997 | BETA | .000 |
| ◇ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | 3.000 | D4 | 3.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | | |

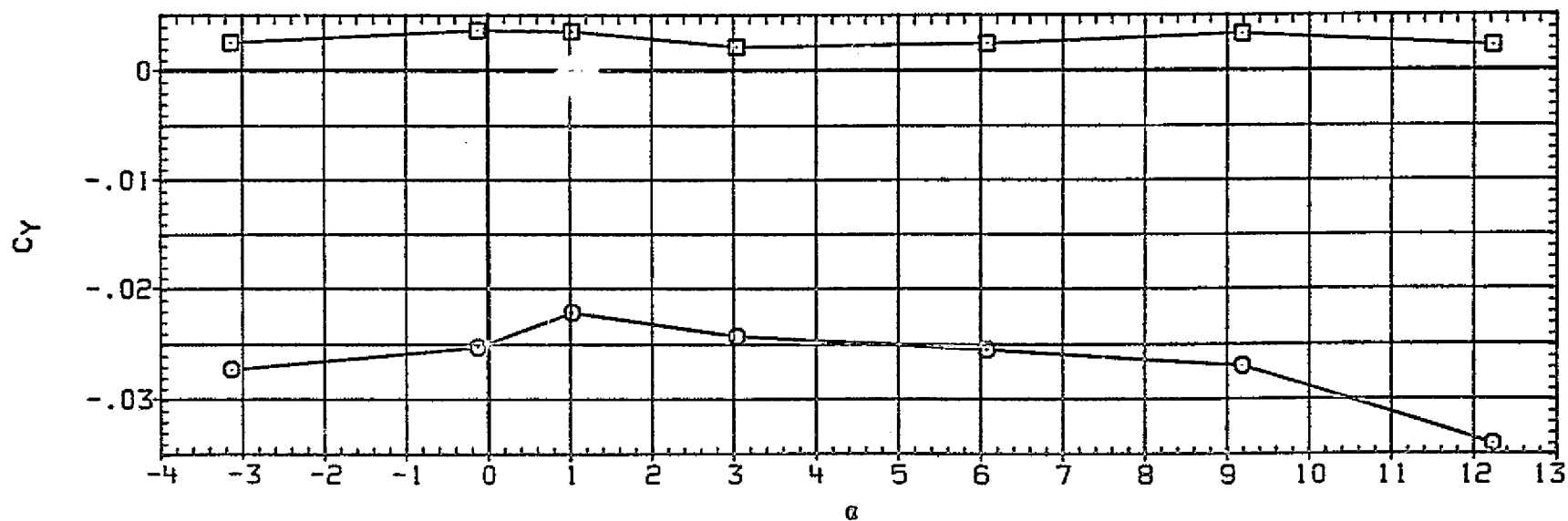
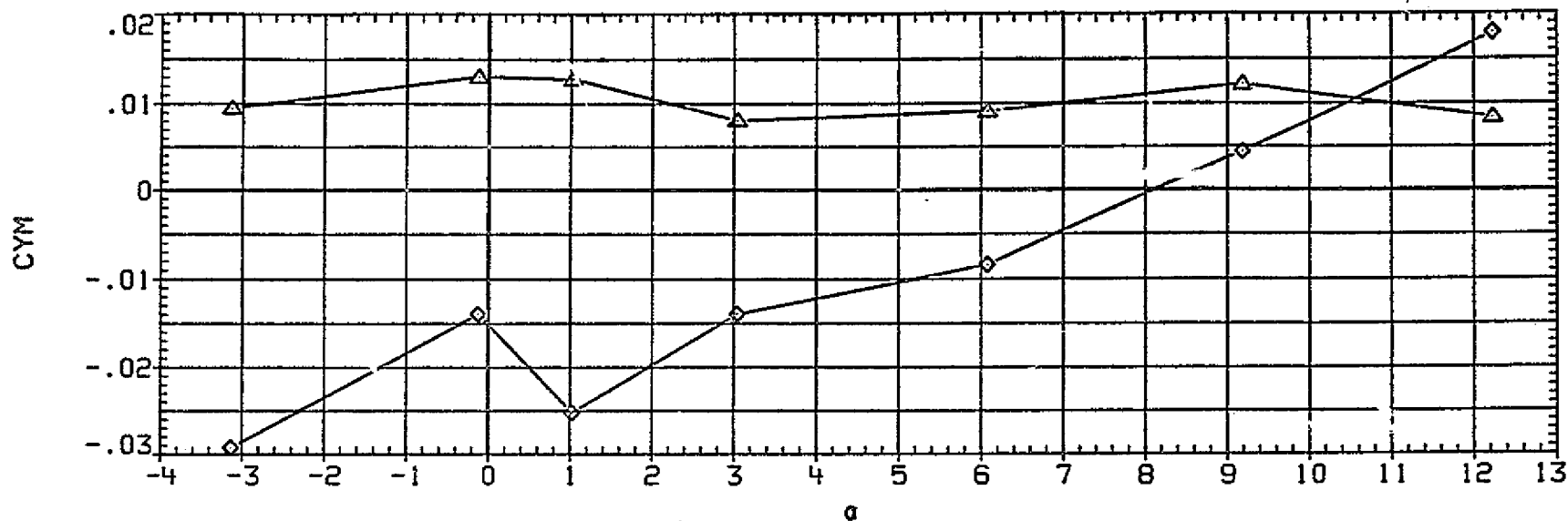


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ221) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|-------|------|-------|
| □ | CRM | MACH | 1.499 | ETA | .000 |
| ○ | CRM _B | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | | |

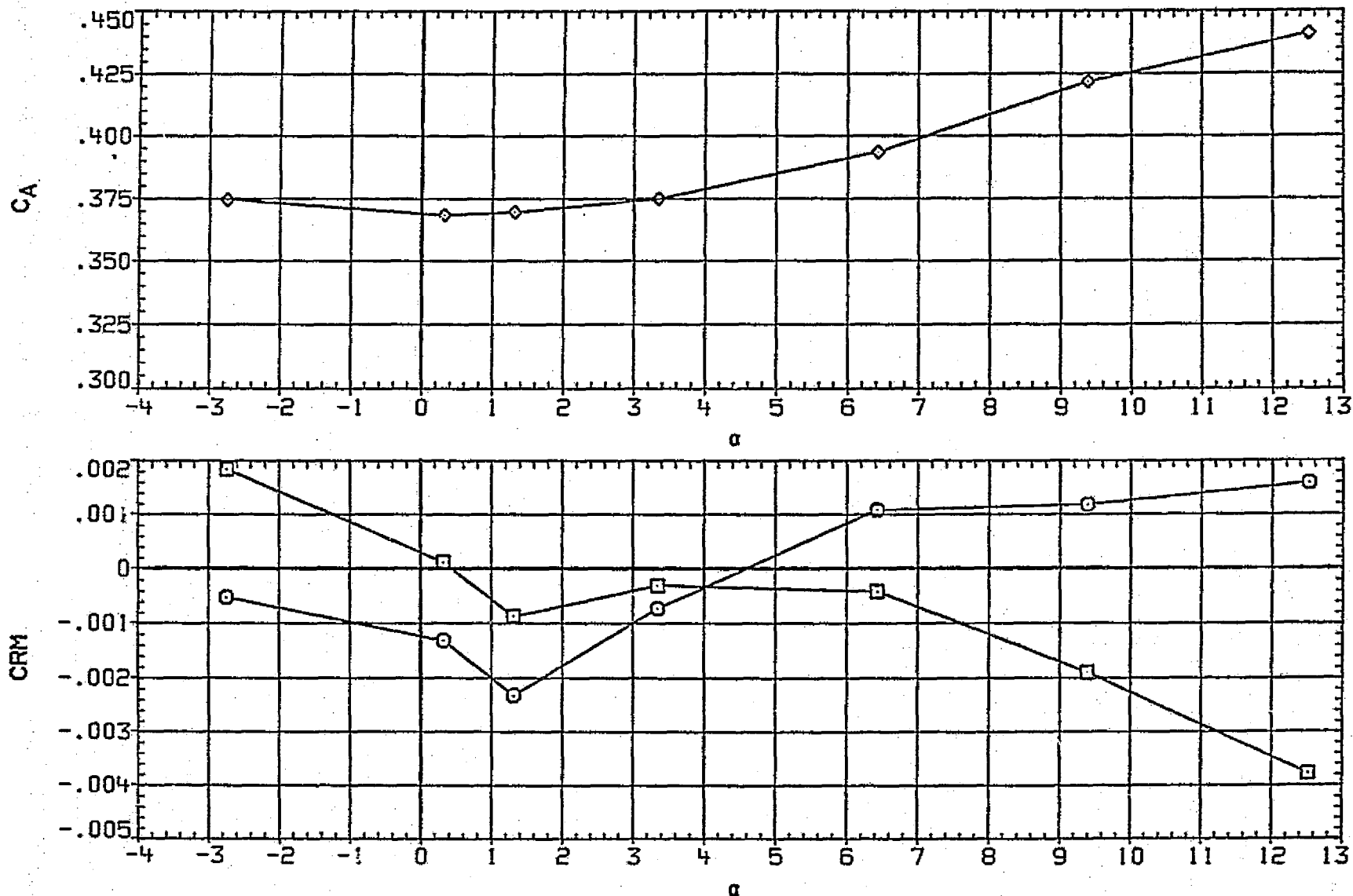


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ221) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|-------|------|-------|
| □ | CRM | MACH | 1.997 | BETA | .000 |
| ◇ | CRM _B | D1 | .000 | D3 | .000 |
| | CA | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | | |

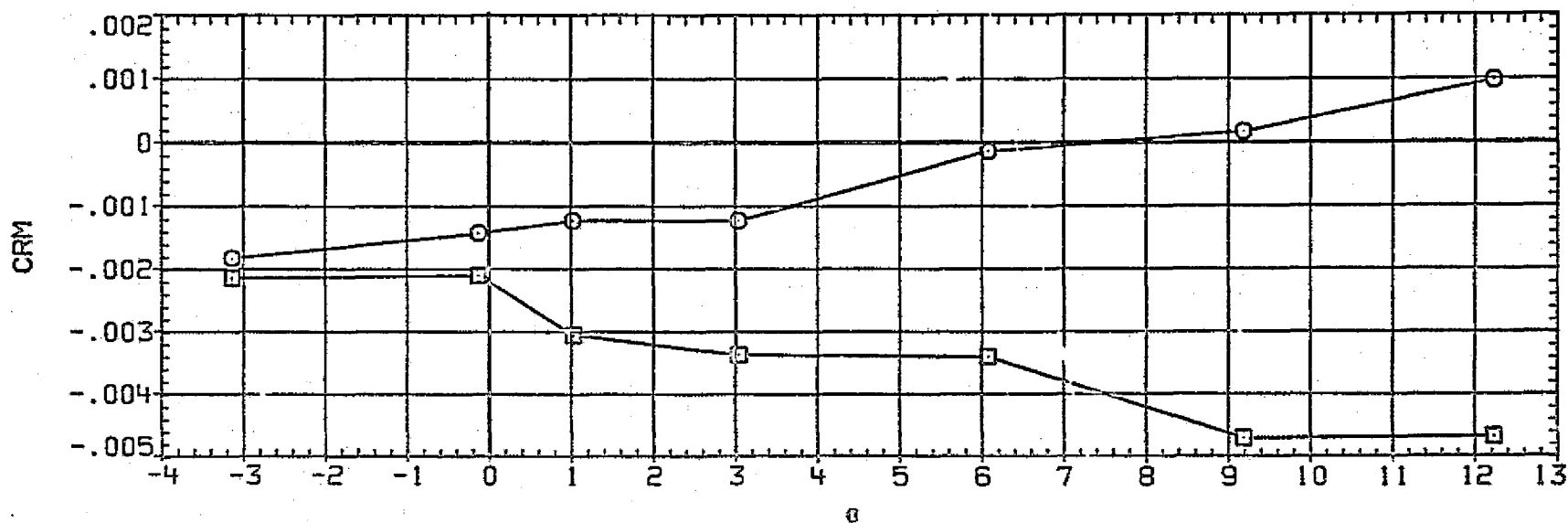
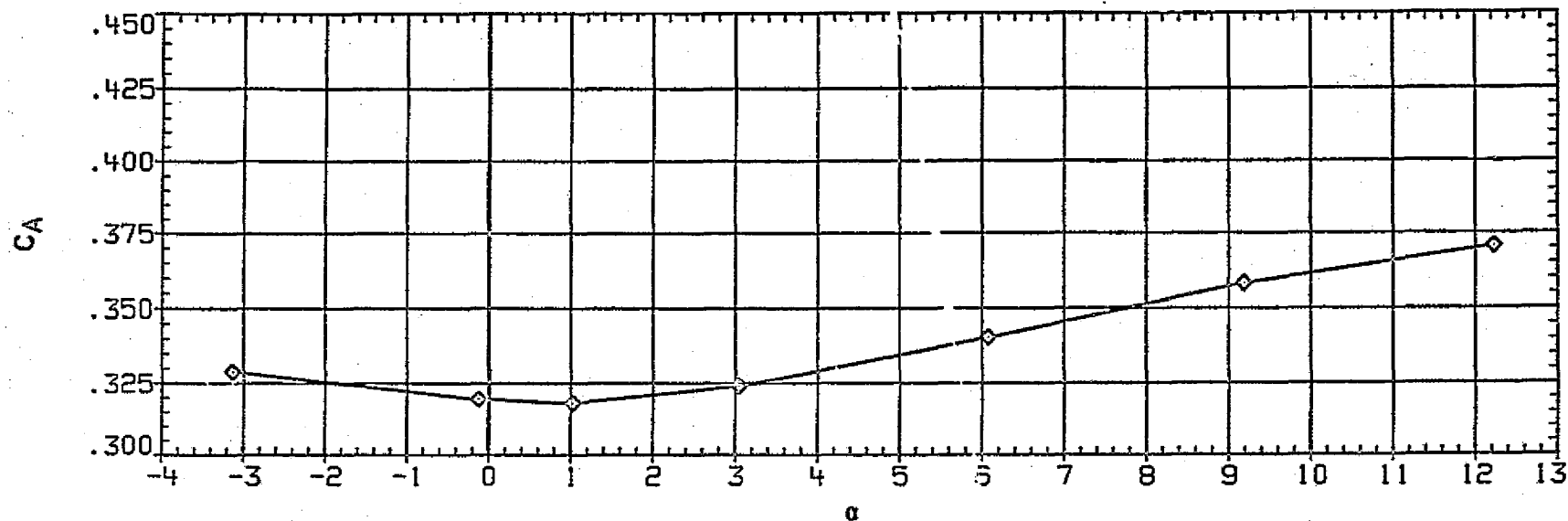


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(8E222) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CN | MACH | 1.487 | ETA | .000 |
| □ | CNB | D1 | .000 | D3 | .000 |
| △ | CM | D2 | 6.000 | D4 | 6.000 |
| | CMB | D1-3 | .000 | D2-4 | 6.000 |
| | | FHI-C | .000 | | |

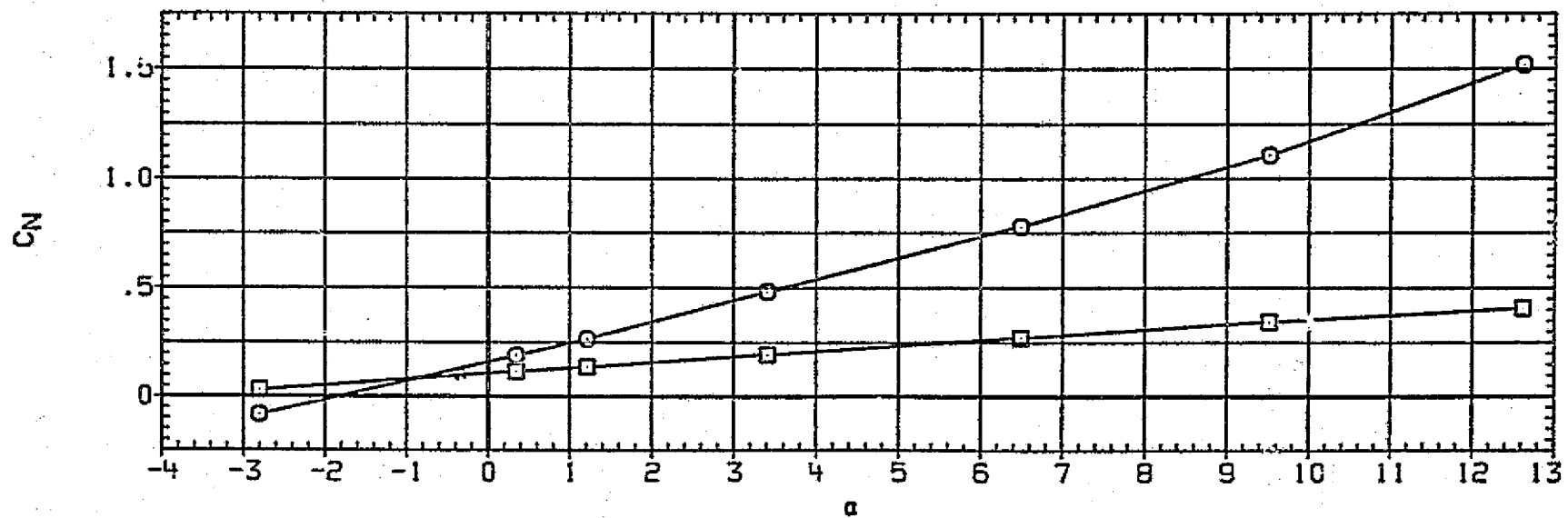
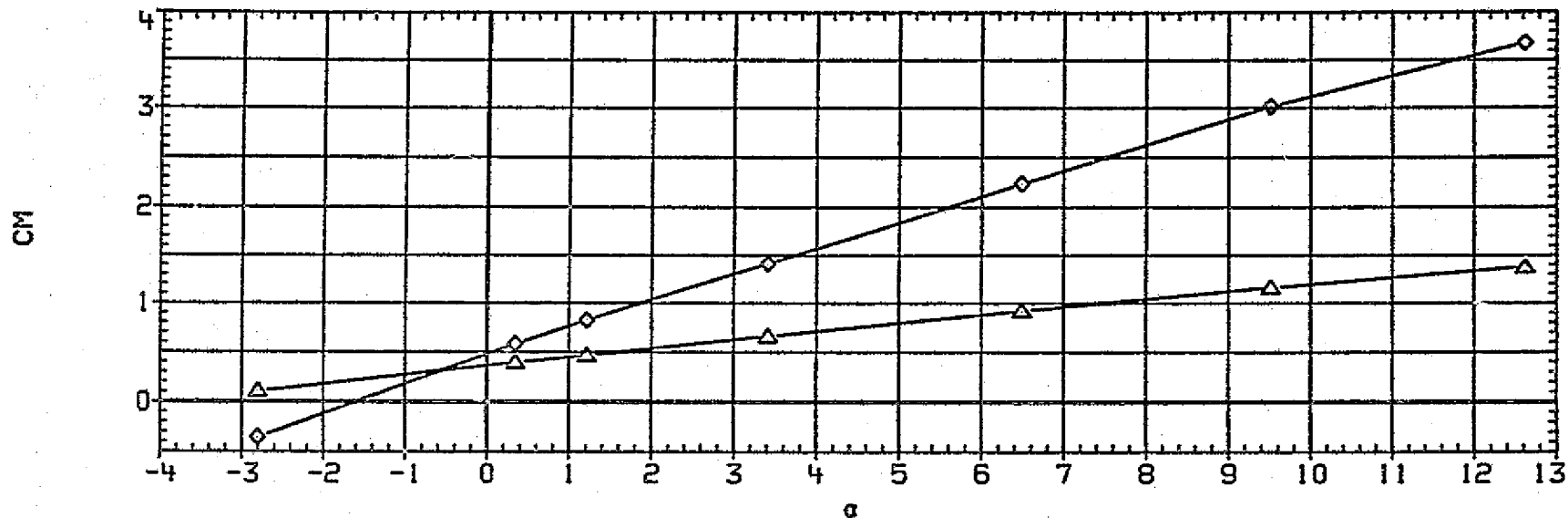


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ222) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CN | MACH | 1.995 | BETA | .000 |
| □ | CNB | D1 | .000 | D3 | .000 |
| △ | CM | D2 | 6.000 | D4 | 6.000 |
| | CMB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | | |

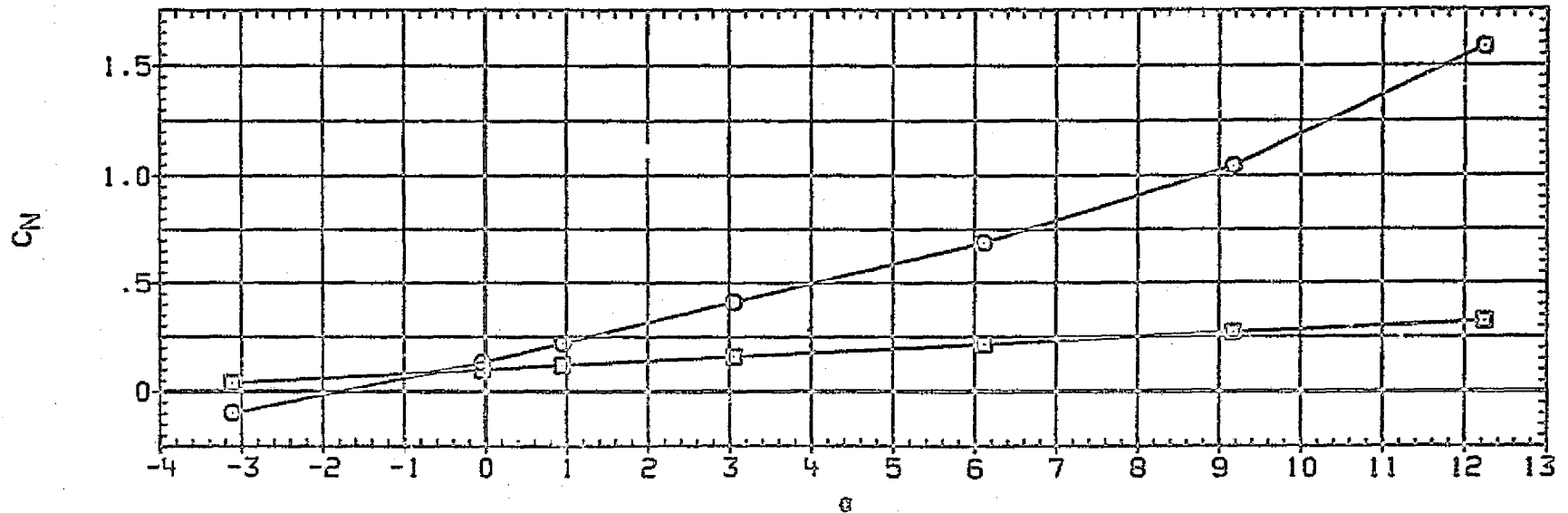
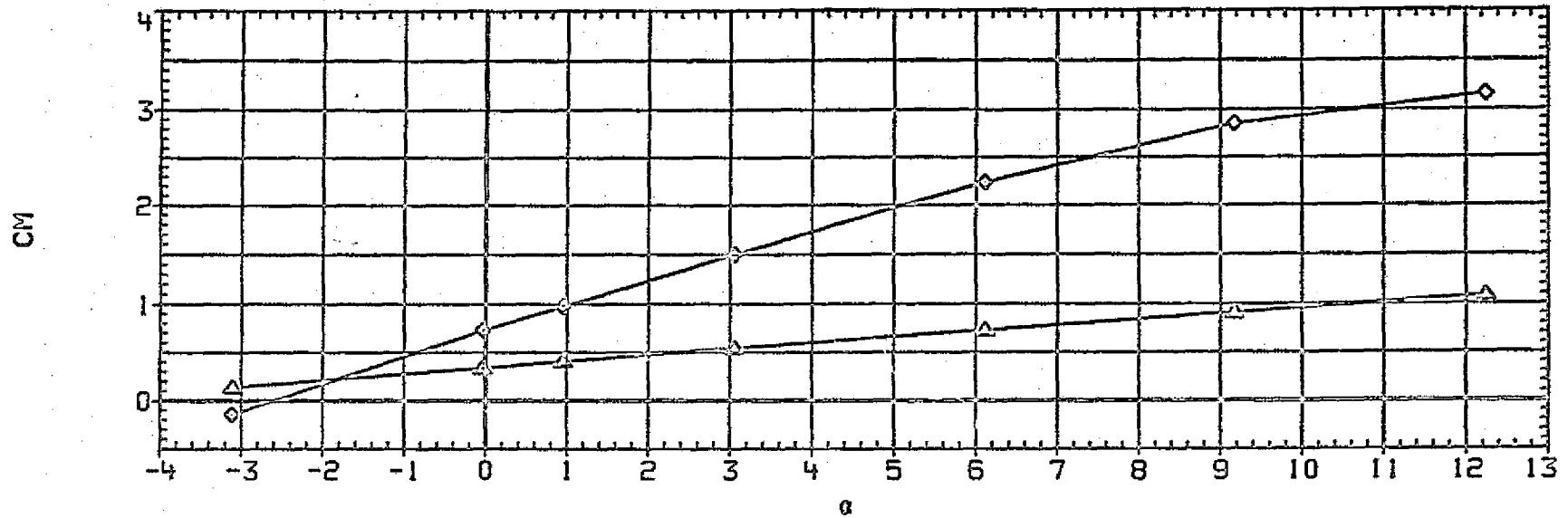


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ222) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CY | MACH | 1.497 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| △ | CYH | D2 | 6.000 | D4 | 6.000 |
| | CYB | D1-S | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | | |

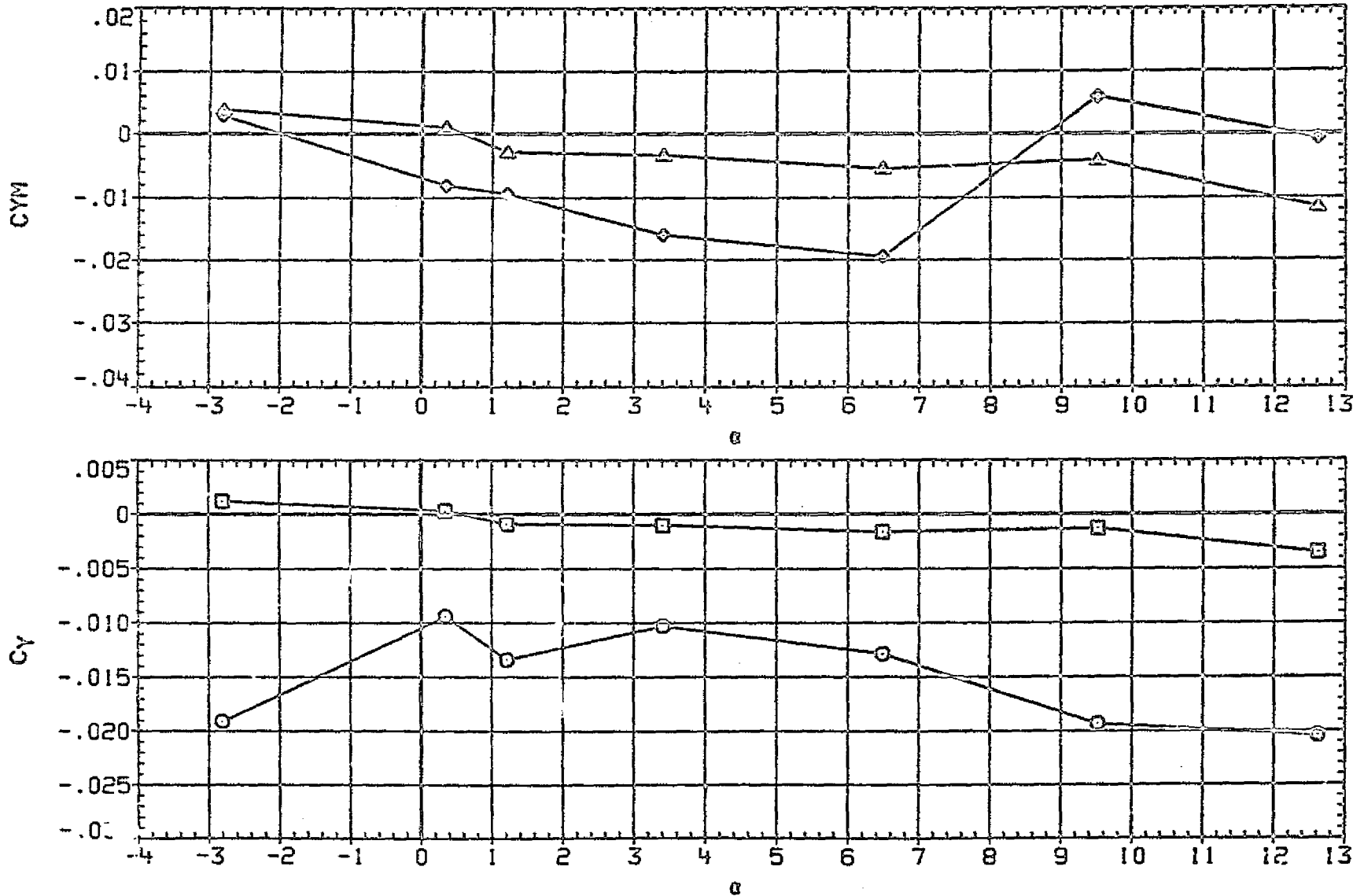


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ222) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ○ | CY | MACH | 1.995 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | 6.000 | D4 | 6.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | | |

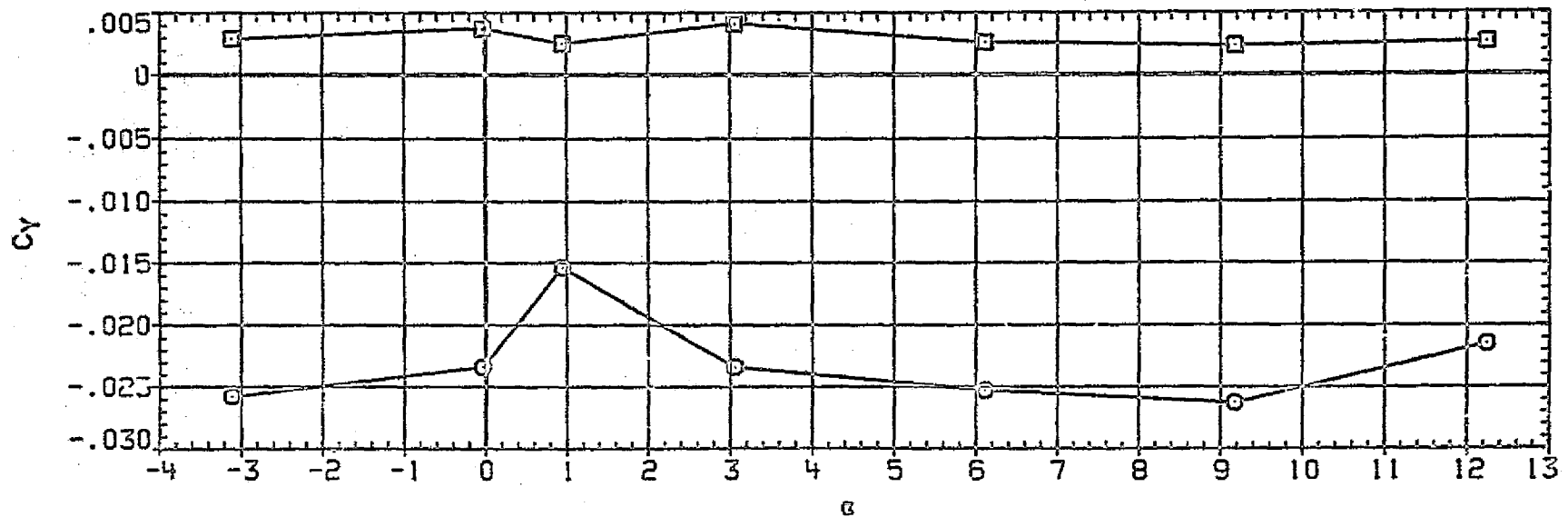
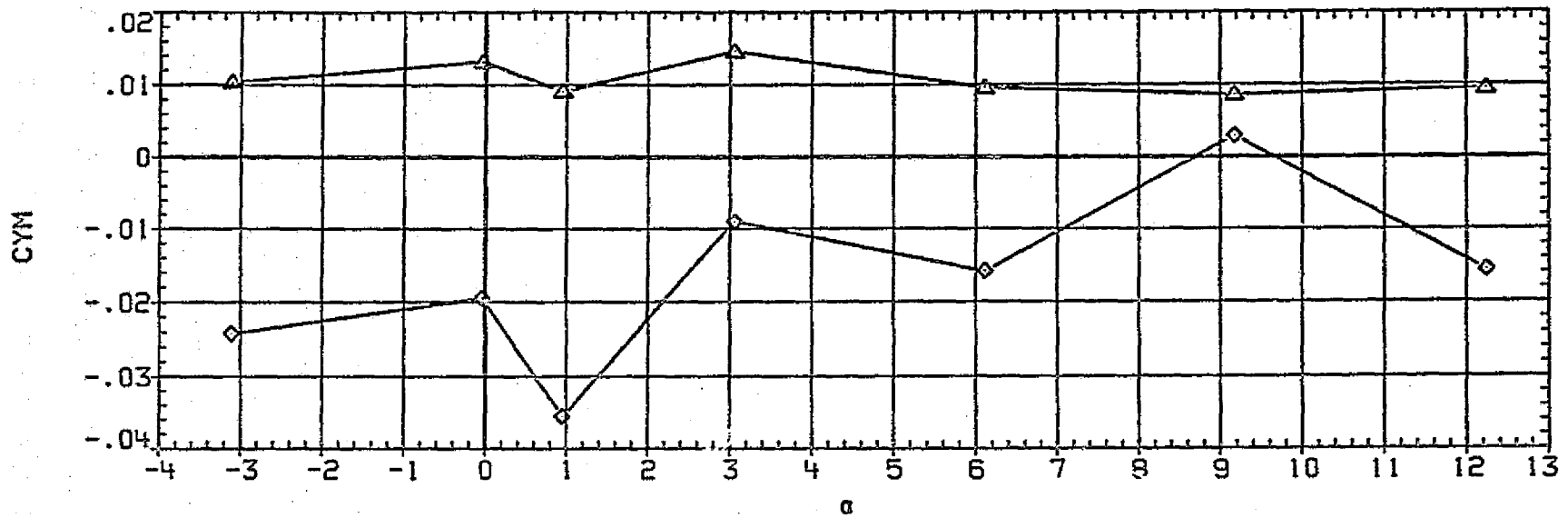


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ222) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CRM | MACH | 1.497 | BETA | .000 |
| □ | CRM3 | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | 6.000 | D4 | 6.000 |
| | | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | | |

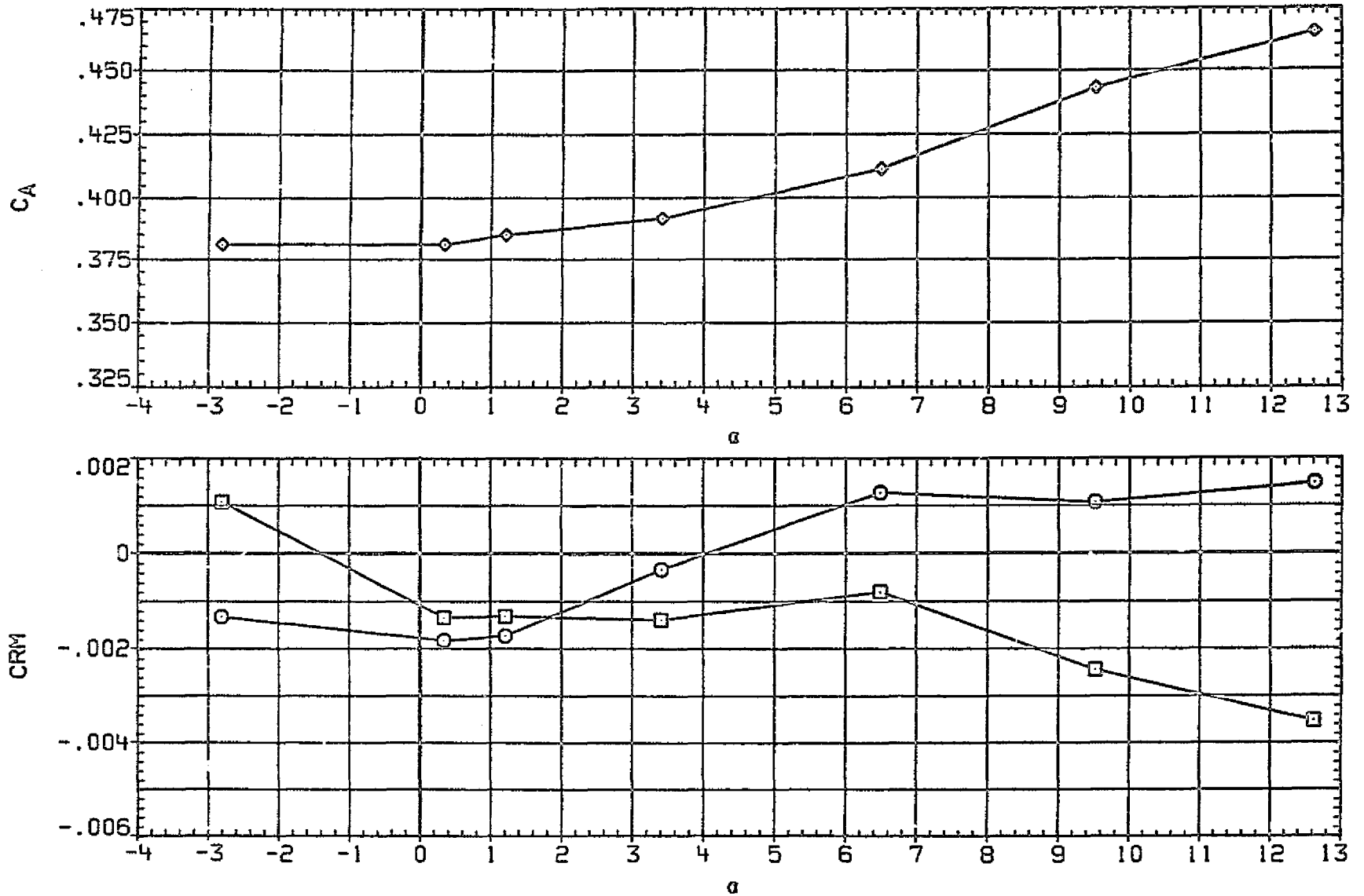


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ222) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CRM | MACH | 1.995 | BETA | .000 |
| ◇ | CRM | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | 6.000 | D4 | 6.000 |
| | | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | | |

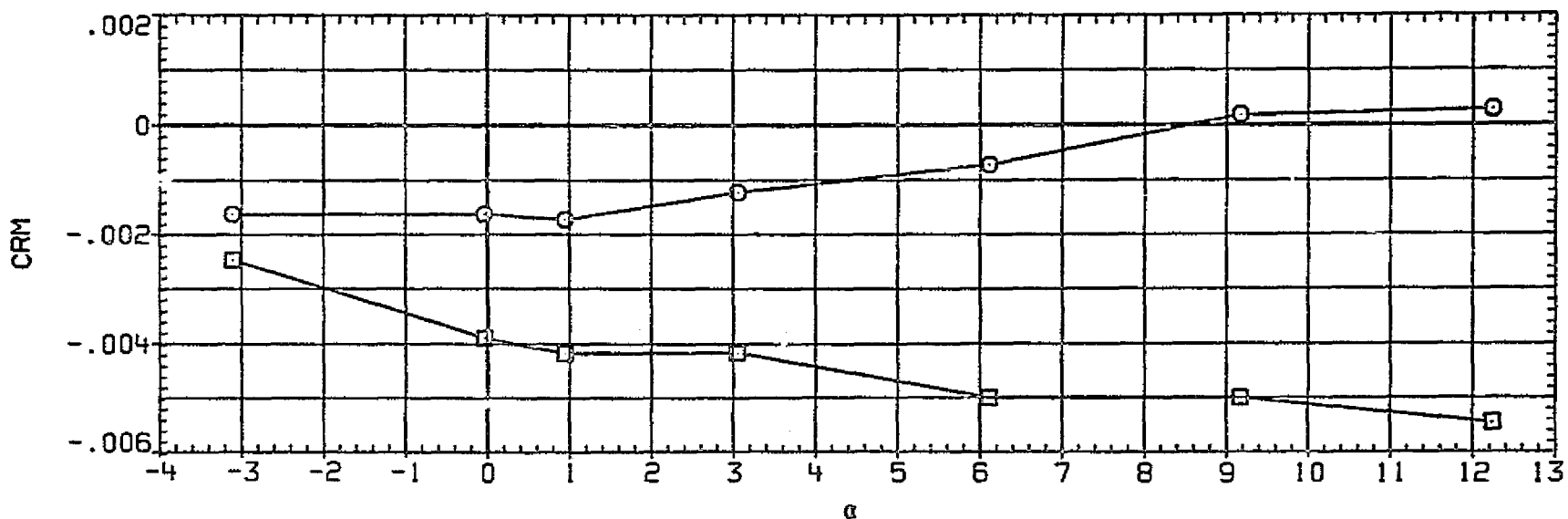
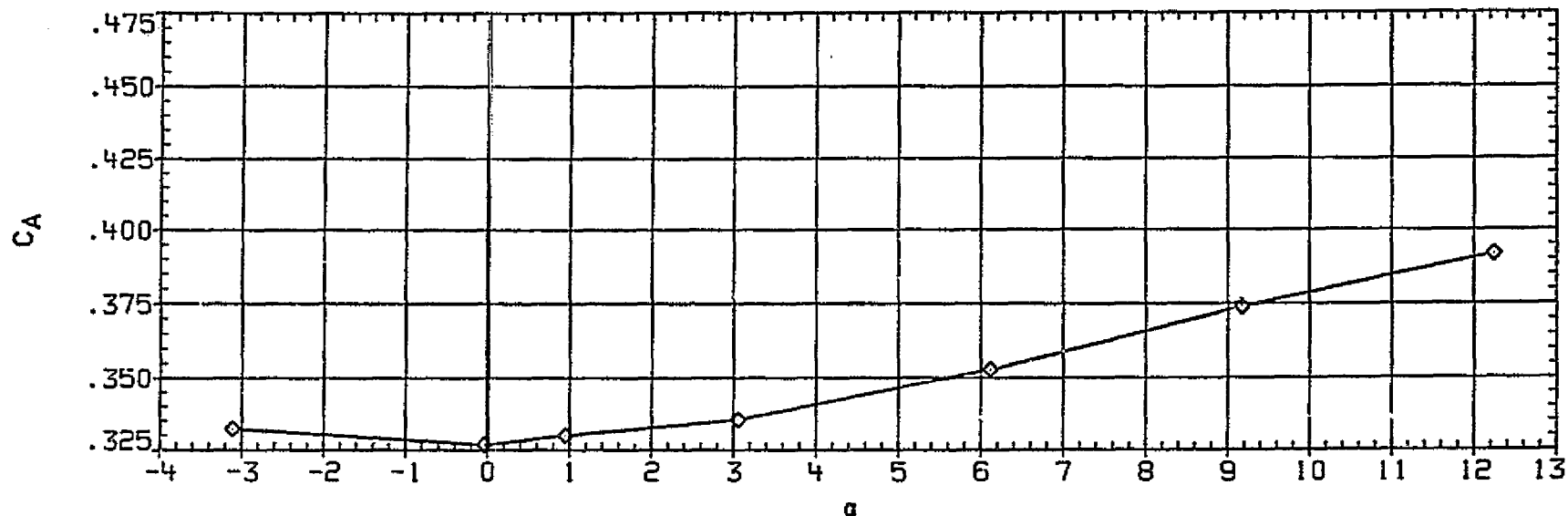


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ223) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ○ | CN | MACH | 1.496 | BETA | .000 |
| □ | CN3 | D1 | .000 | D3 | .000 |
| ◇ | CM | D2 | 9.000 | D4 | 9.000 |
| △ | CM3 | D1-3 | .000 | D2-4 | 9.000 |
| | | FH1-C | .000 | | |

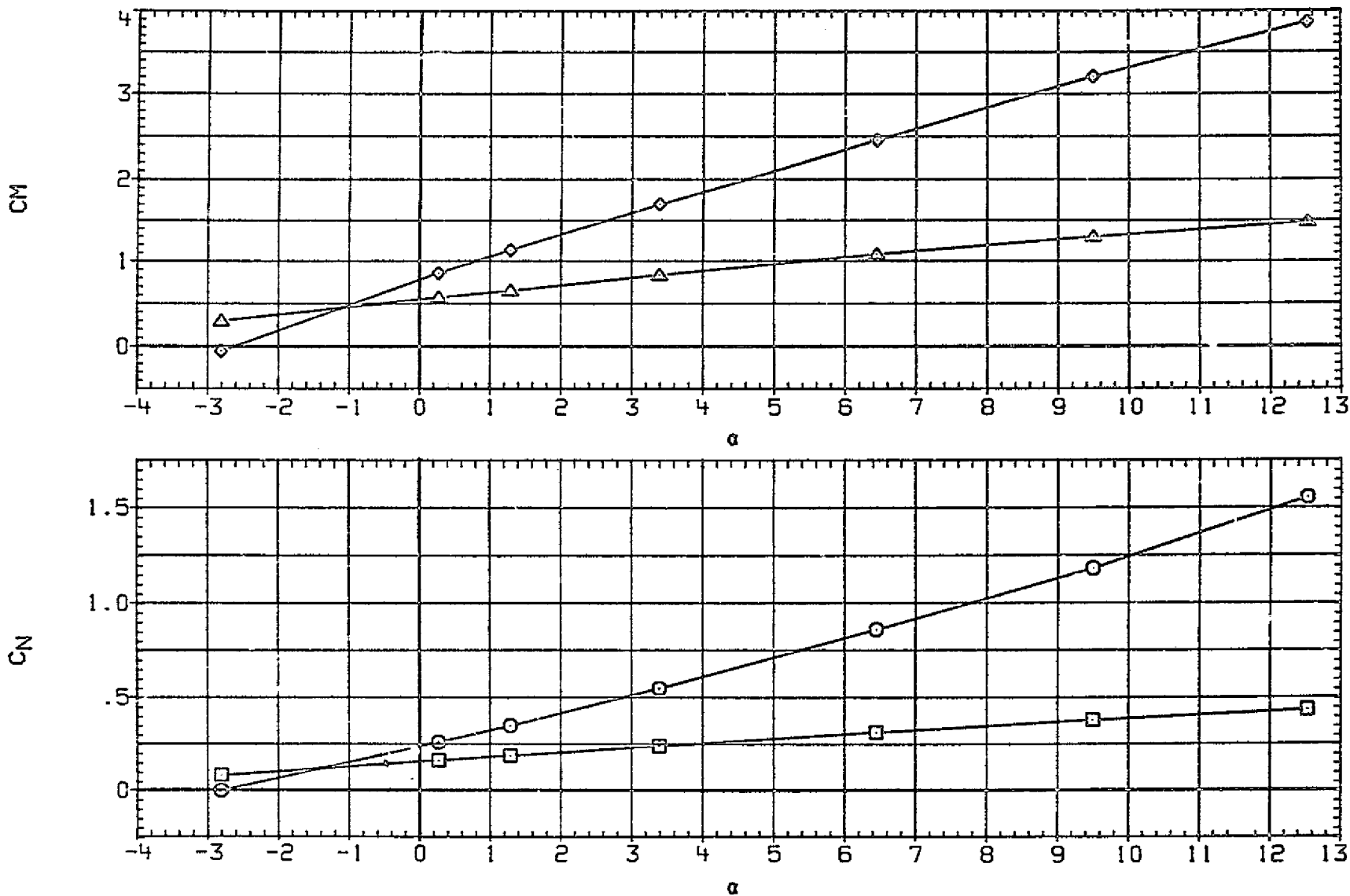


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ223) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-----------------|-------------------|-------|------|-------|
| ○ | CN | MACH | 1.995 | BETA | .000 |
| □ | CN _B | D1 | .000 | D3 | .000 |
| ◇ | CM | D2 | 9.000 | D4 | 9.000 |
| △ | CN _B | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | | |

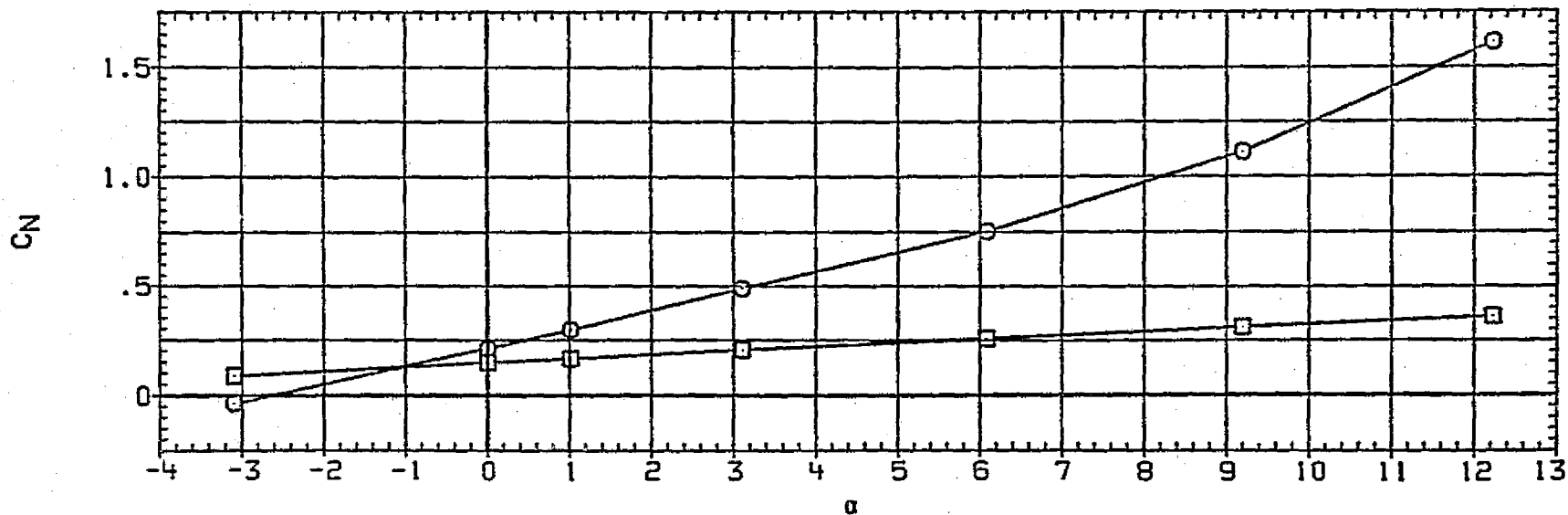
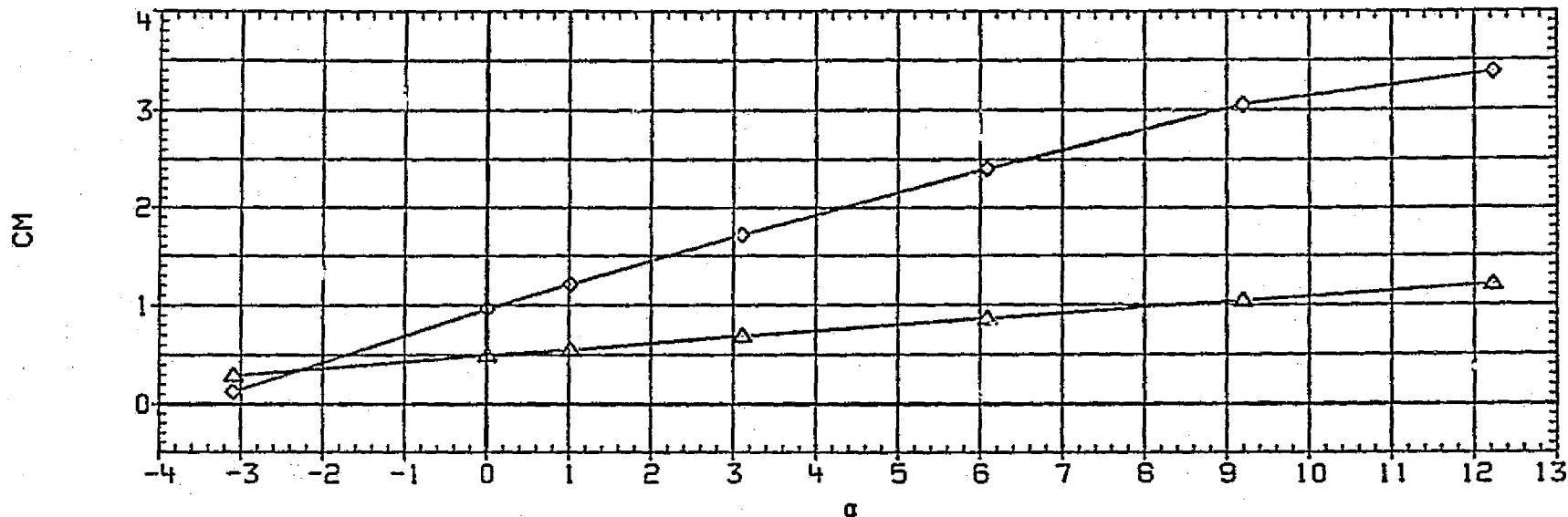


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ223)

CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CY | MACH | 1.456 | BETA | .000 |
| ◇ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | 9.000 | D4 | 9.000 |
| △ | CYMB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | | |

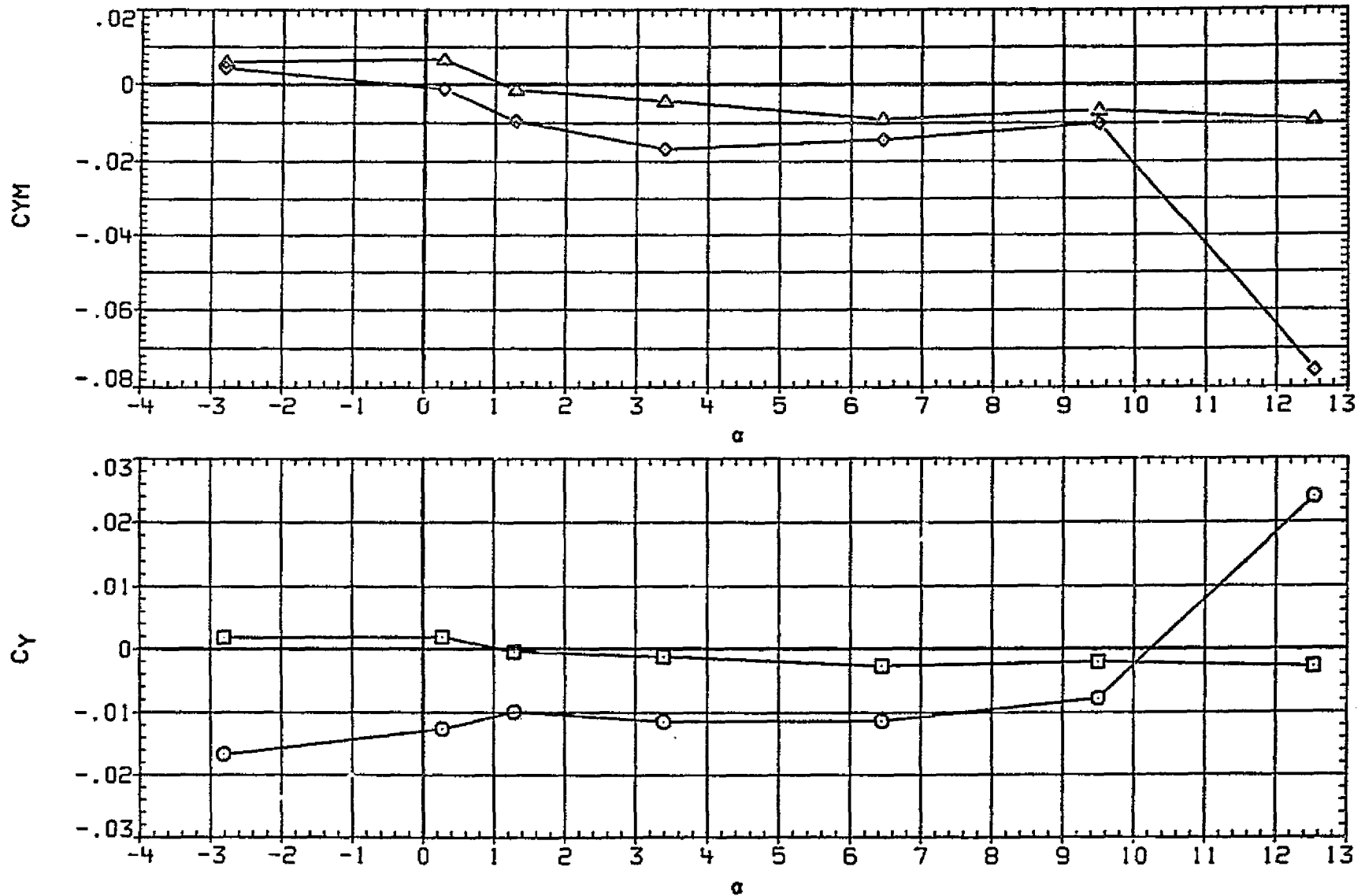


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BE2223) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| □ | CY | MACH | 1.995 | BETA | .000 |
| ◇ | CYB | D1 | .000 | D3 | .000 |
| △ | CYM | D2 | 9.000 | D4 | 9.000 |
| | CYMB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | | |

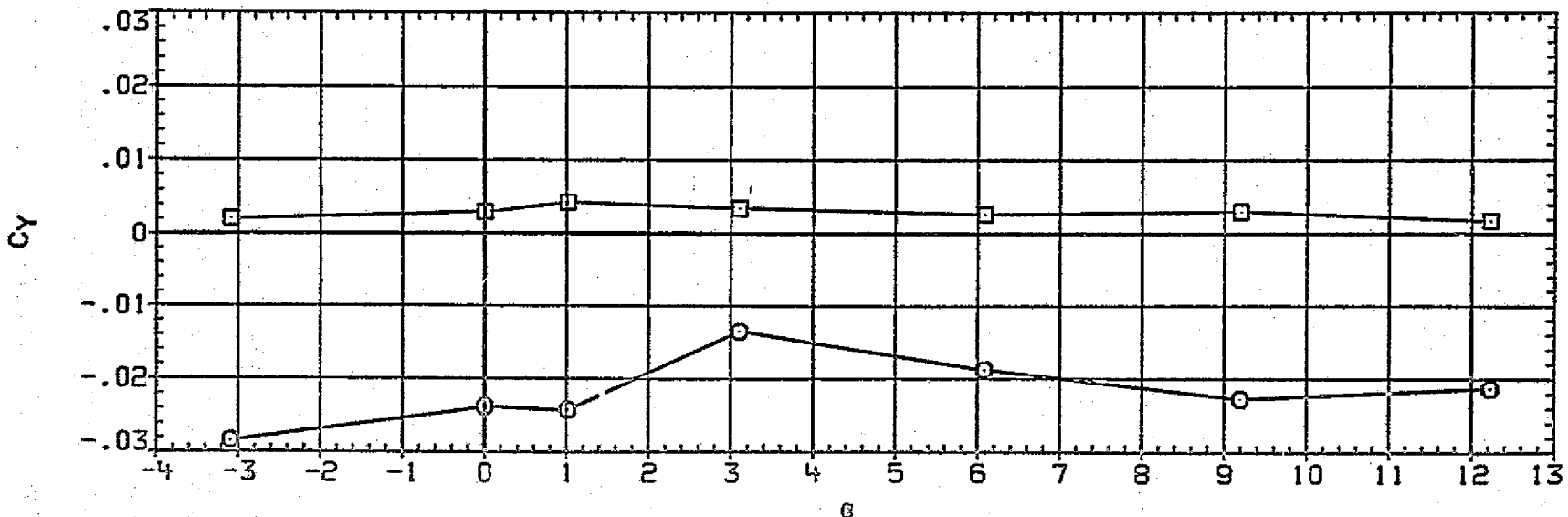
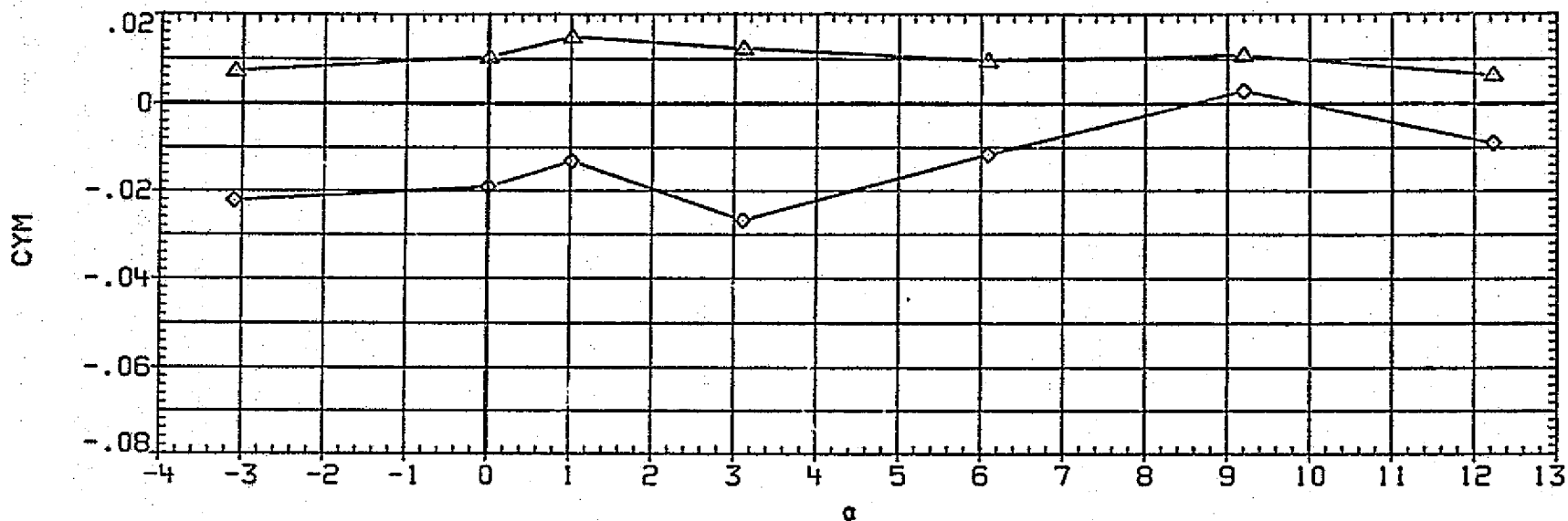


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ223) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|-------|------|-------|
| □ | CRM | MACH | 1.496 | BETA | .000 |
| ◇ | CRM _B | D1 | .000 | D3 | .000 |
| | CA | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | | |

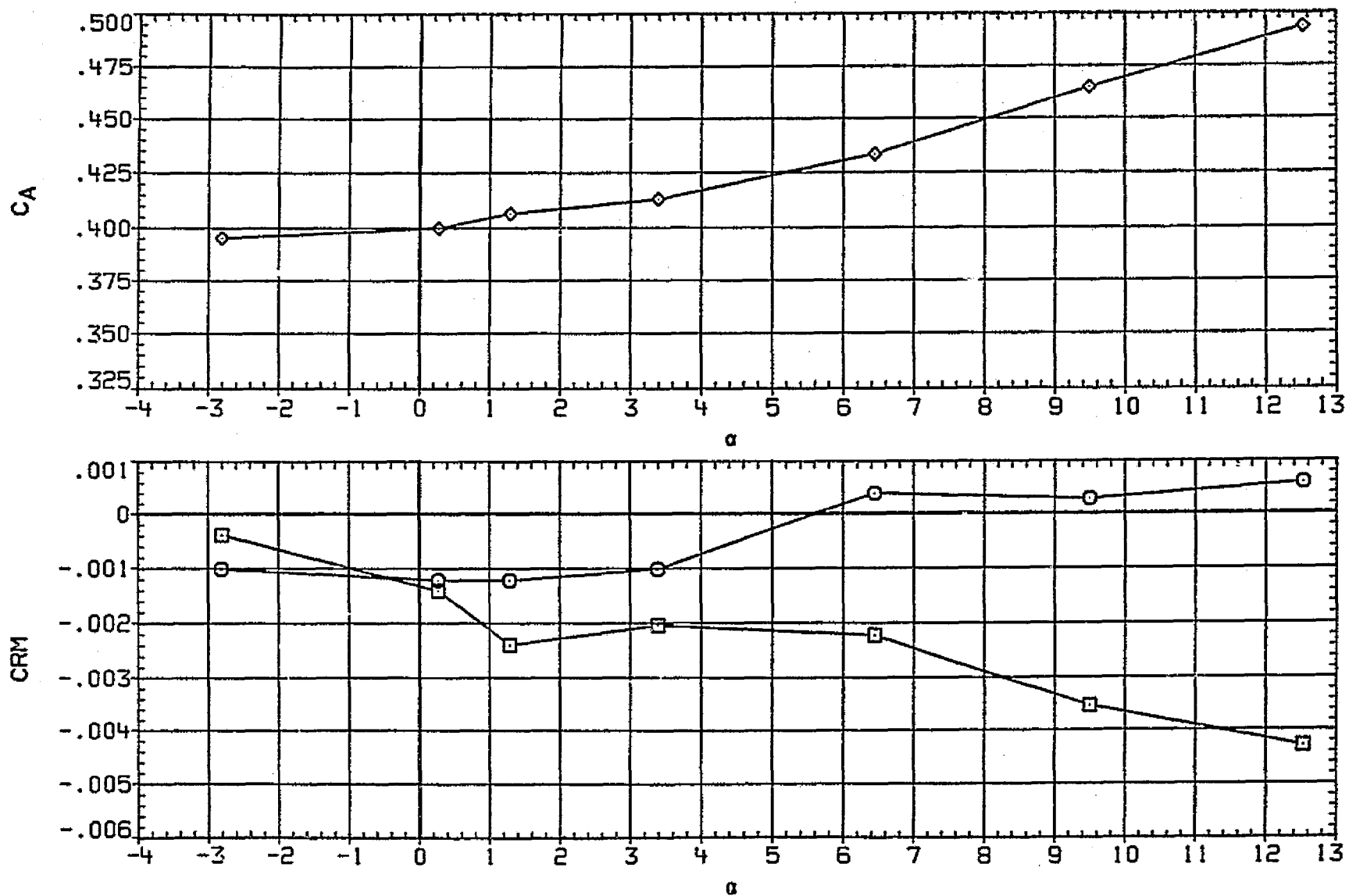


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ223) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|------|-------|
| ◇ | CRM | MACH | 1.995 | BETA | .000 |
| □ | CRMS | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | | |

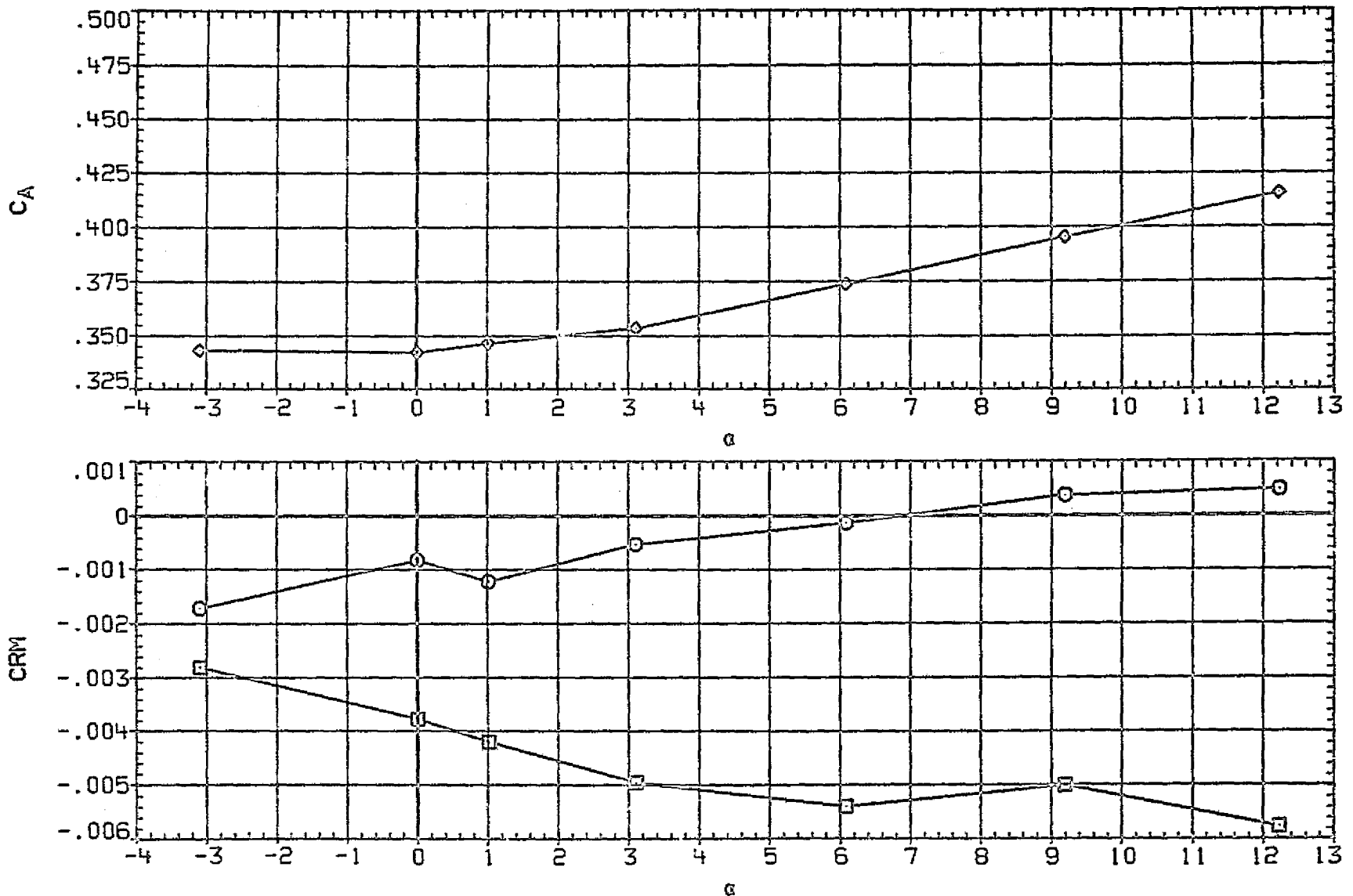


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ224) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CN | MACH | 1.455 | EETA | .000 |
| ◇ | CN3 | D1 | .000 | D3 | .000 |
| □ | CM | D2 | 15.000 | D4 | 15.000 |
| △ | CMS | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | | |

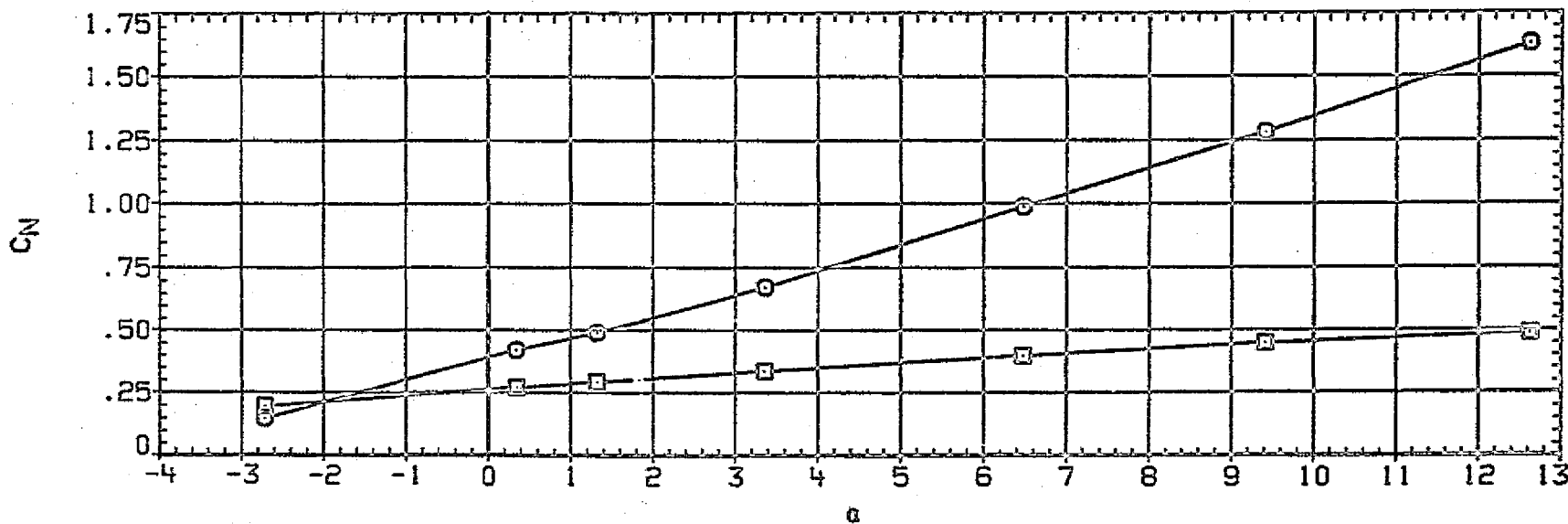
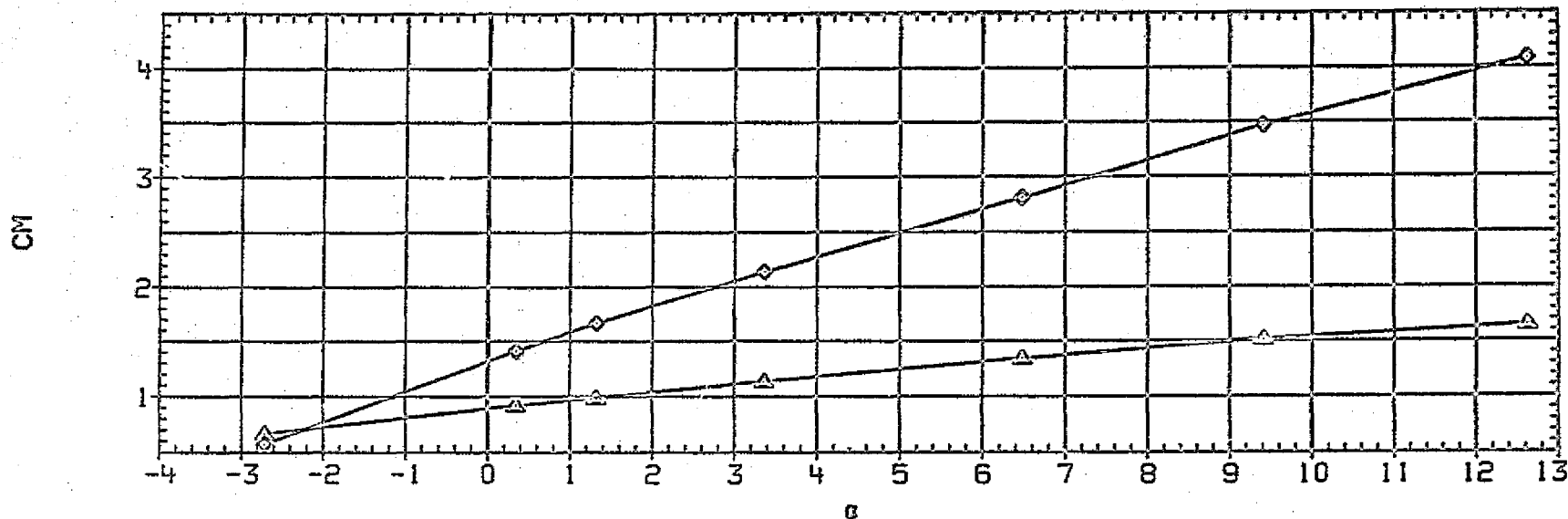


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ224) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CN | MACH | 1.994 | BETA | .000 |
| □ | CNS | D1 | .000 | D3 | .000 |
| ◇ | CM | D2 | 15.000 | D4 | 15.000 |
| △ | CMS | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | | |

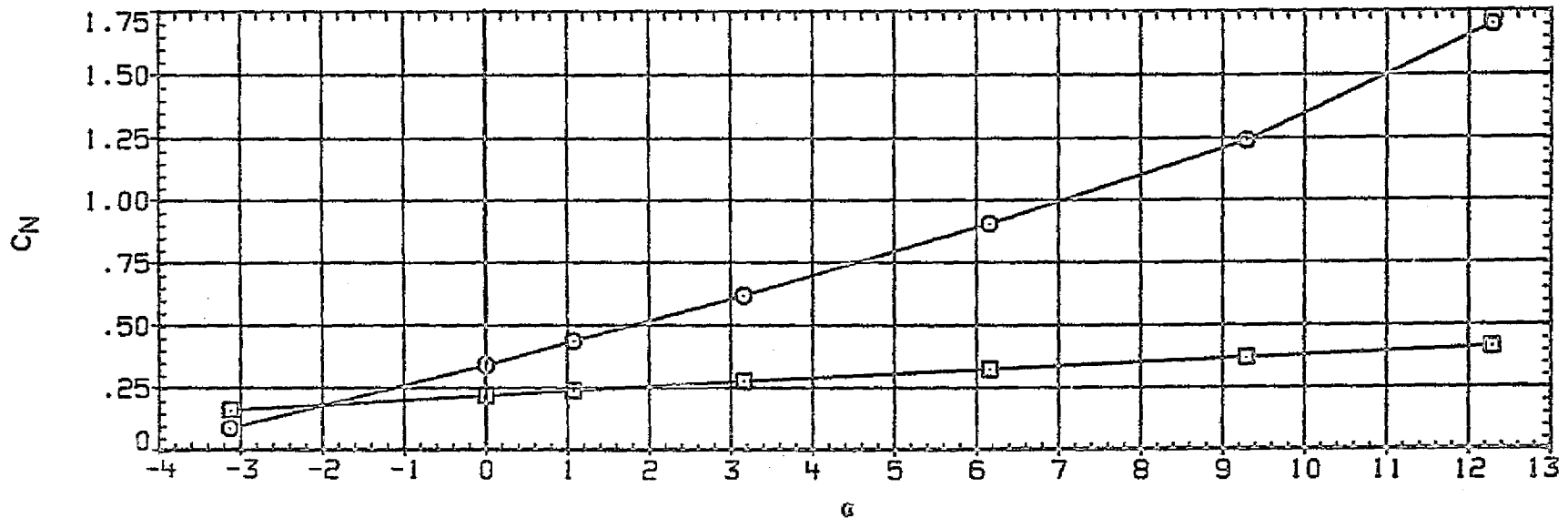
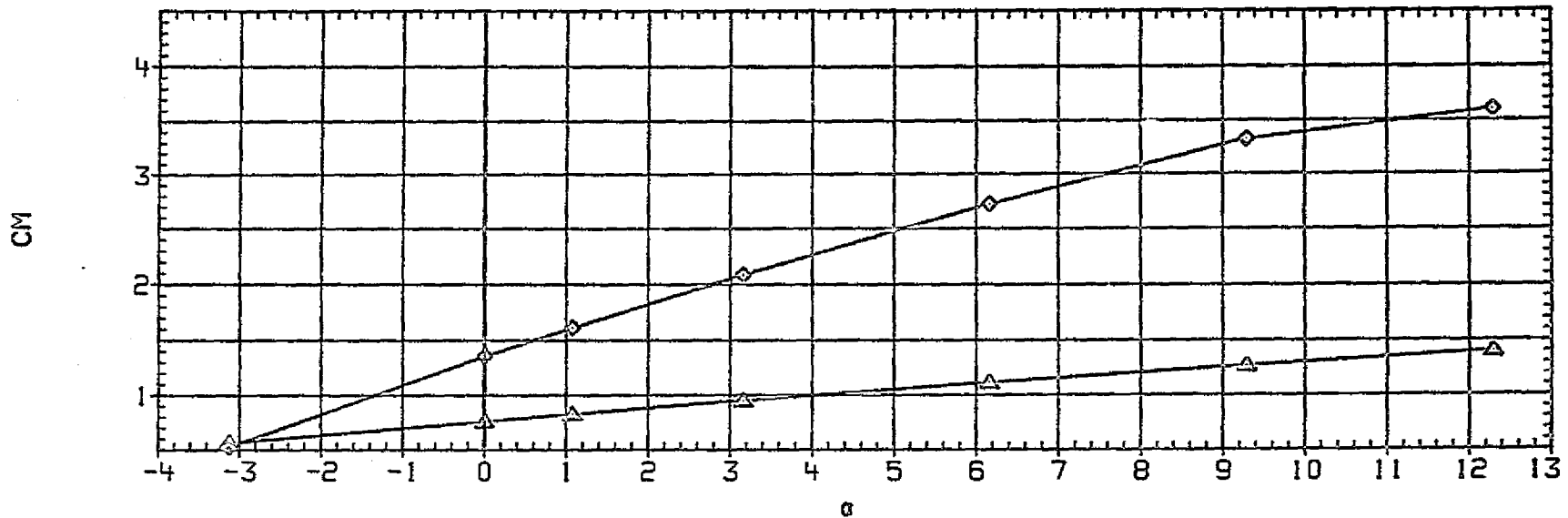


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ224) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CY | MACH | 1.495 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| ◇ | CYM | D2 | 15.000 | D4 | 15.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | | |

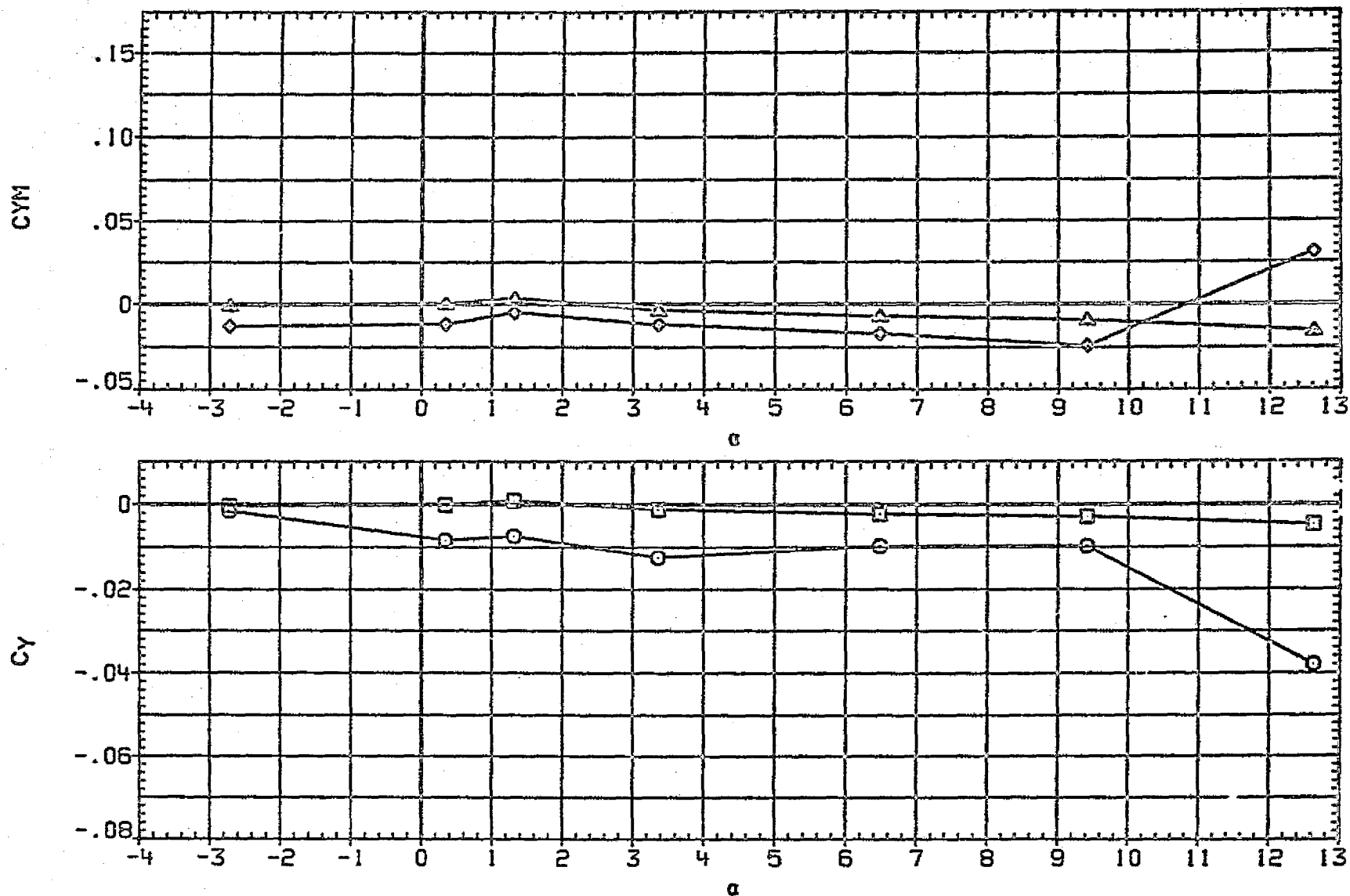


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(BEZ224) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ○ | CY | MACH | 1.954 | BETA | .000 |
| □ | CYB | D1 | .000 | D3 | .000 |
| △ | CYM | D2 | 15.000 | D4 | 15.000 |
| ◇ | CYMB | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | | |

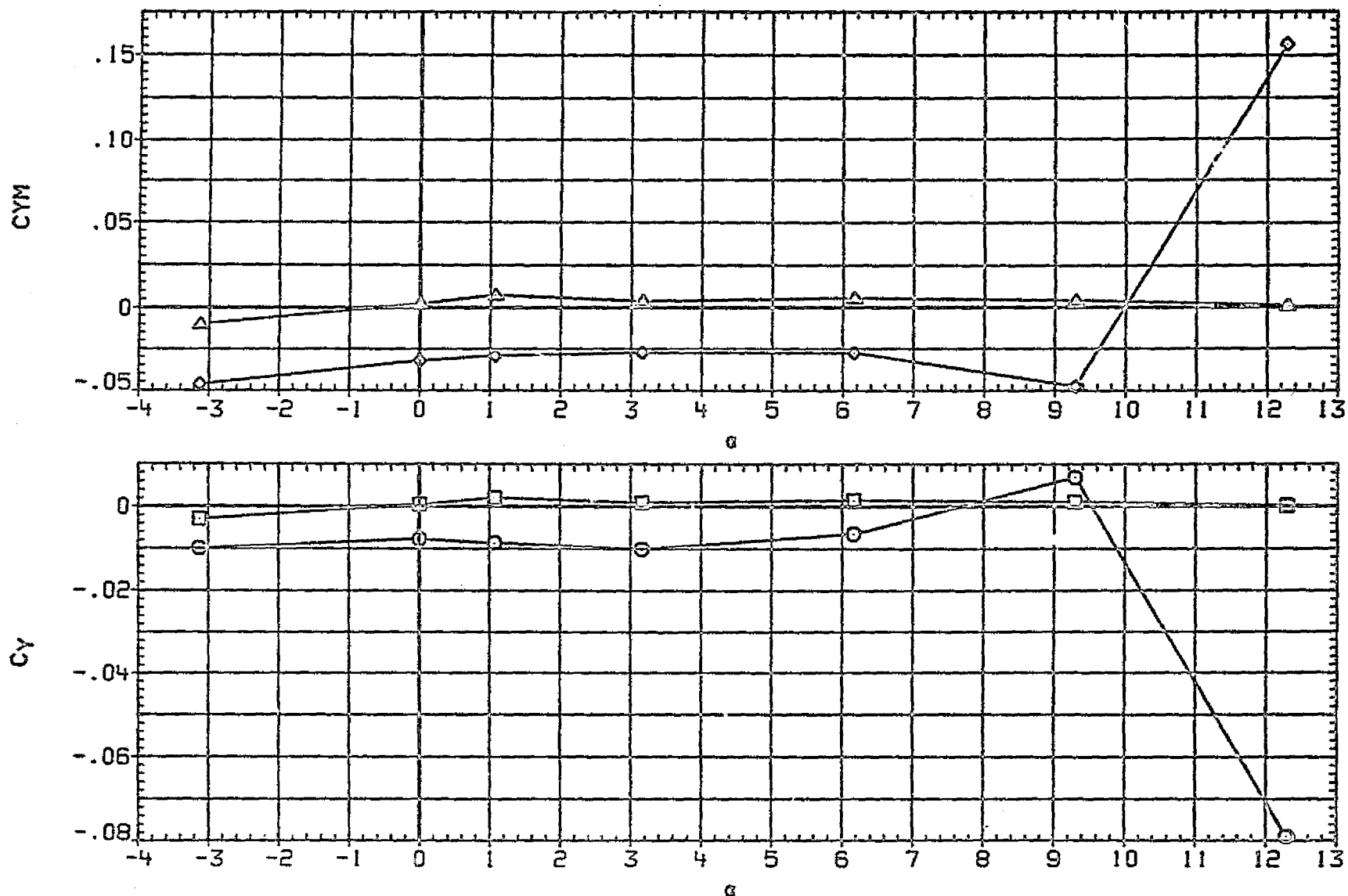


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ224) CONFIGURATION 12 (BNIC4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|------|--------|
| ◇ | CRM | MACH | 1.495 | BETA | .000 |
| ◇ | CRM | D1 | .000 | D3 | .000 |
| ◇ | CA | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | | |

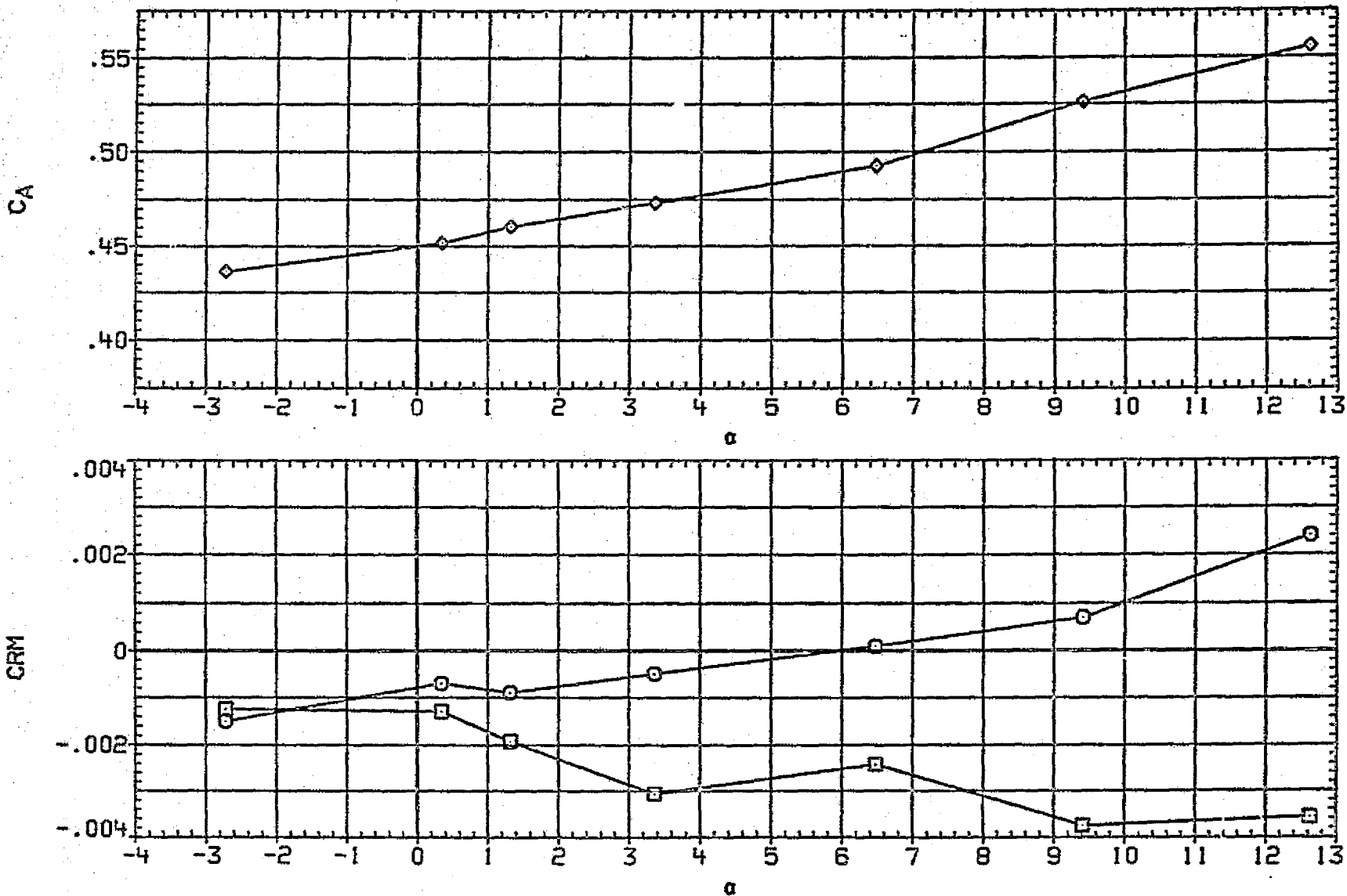


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(REZ224) CONFIGURATION 12 (BN1C4)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|------|--------|
| ◇ | CRM | MACH | 1.994 | BETA | .000 |
| ◇ | CRM _B | D1 | .000 | D3 | .005 |
| ◇ | CA | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | | |

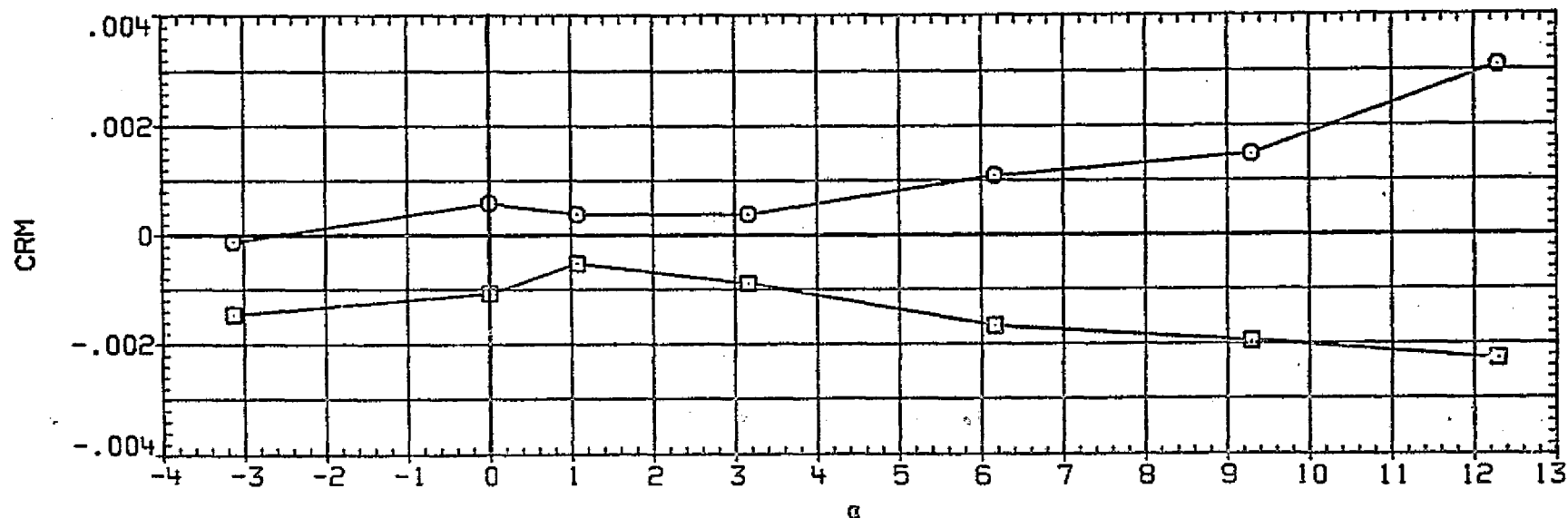
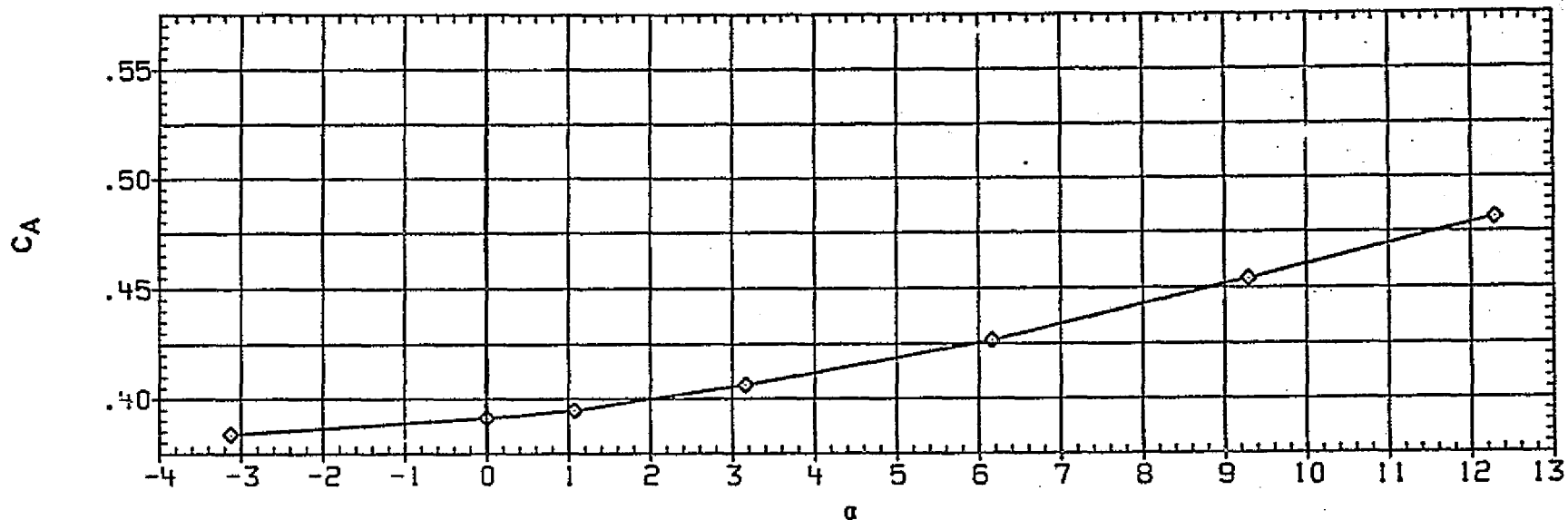


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ225) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.503 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | -3.000 | D4 | -3.000 |
| △ | CN3 | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

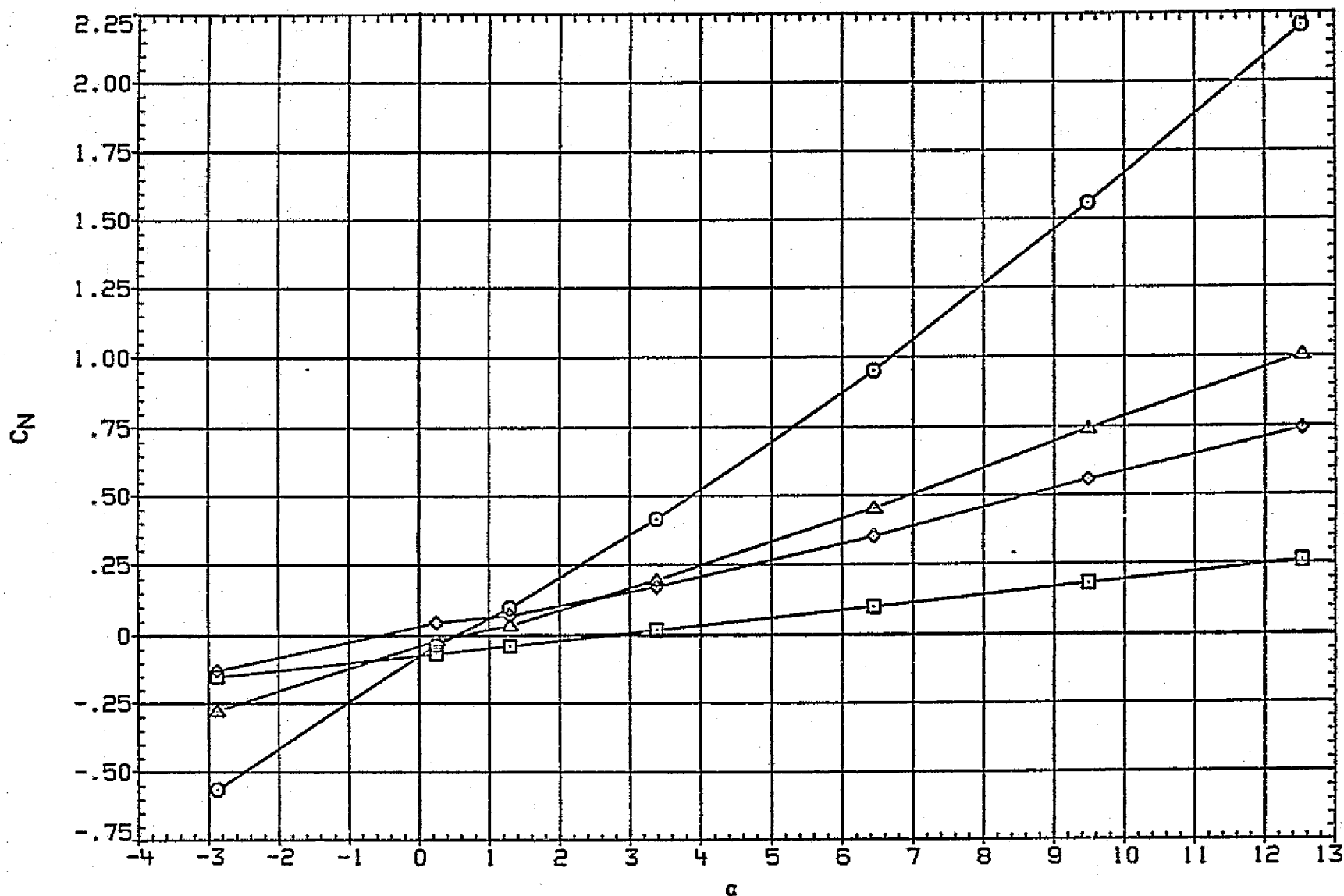


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ225) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.988 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | -3.000 | D4 | -3.000 |
| △ | CNB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

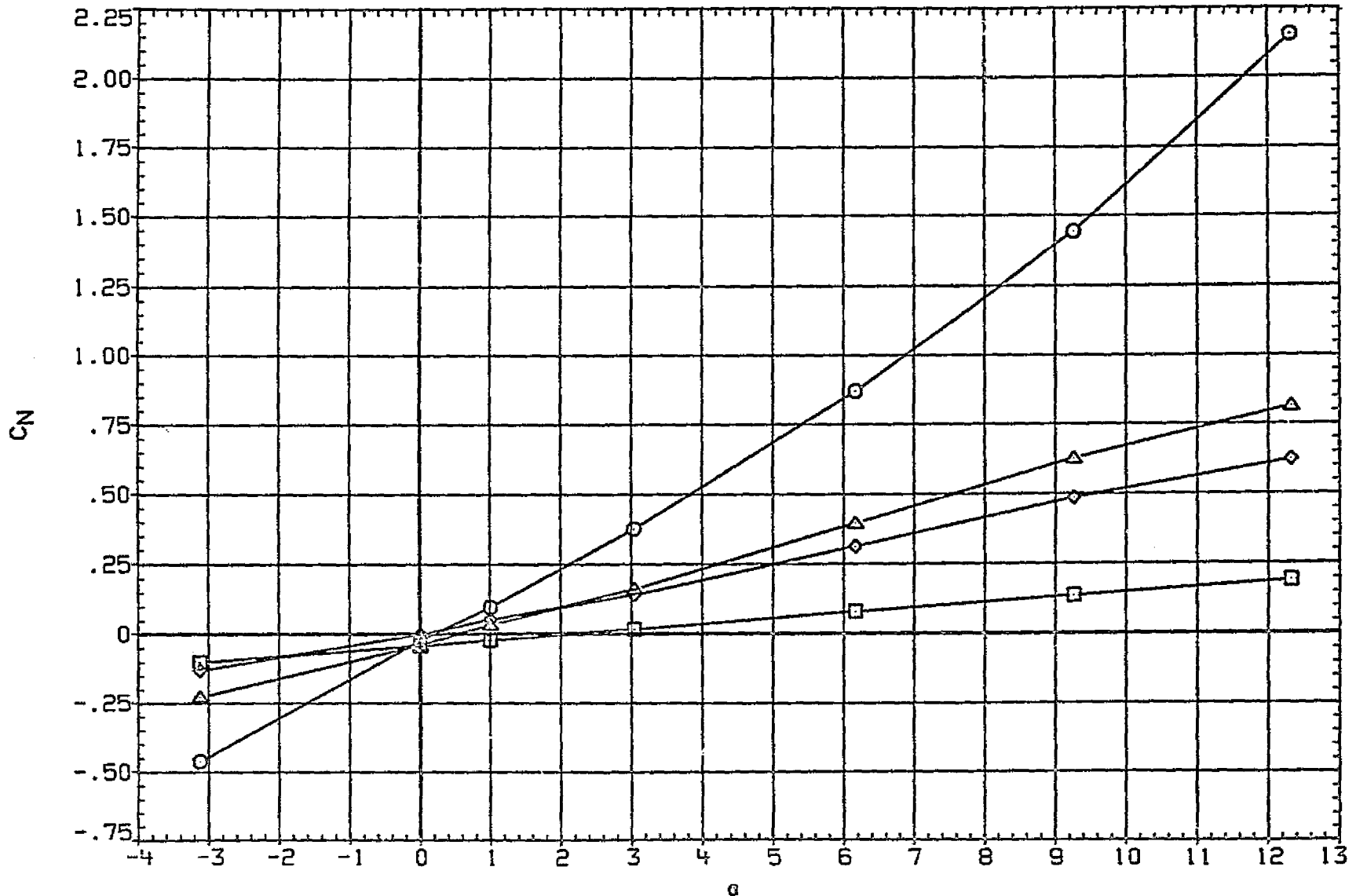


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ225) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CM | MACH | 1.503 | BETA | .000 |
| ○ | CMC | D1 | .000 | D3 | .000 |
| △ | CMT | D2 | -3.000 | D4 | -3.000 |
| □ | CMB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

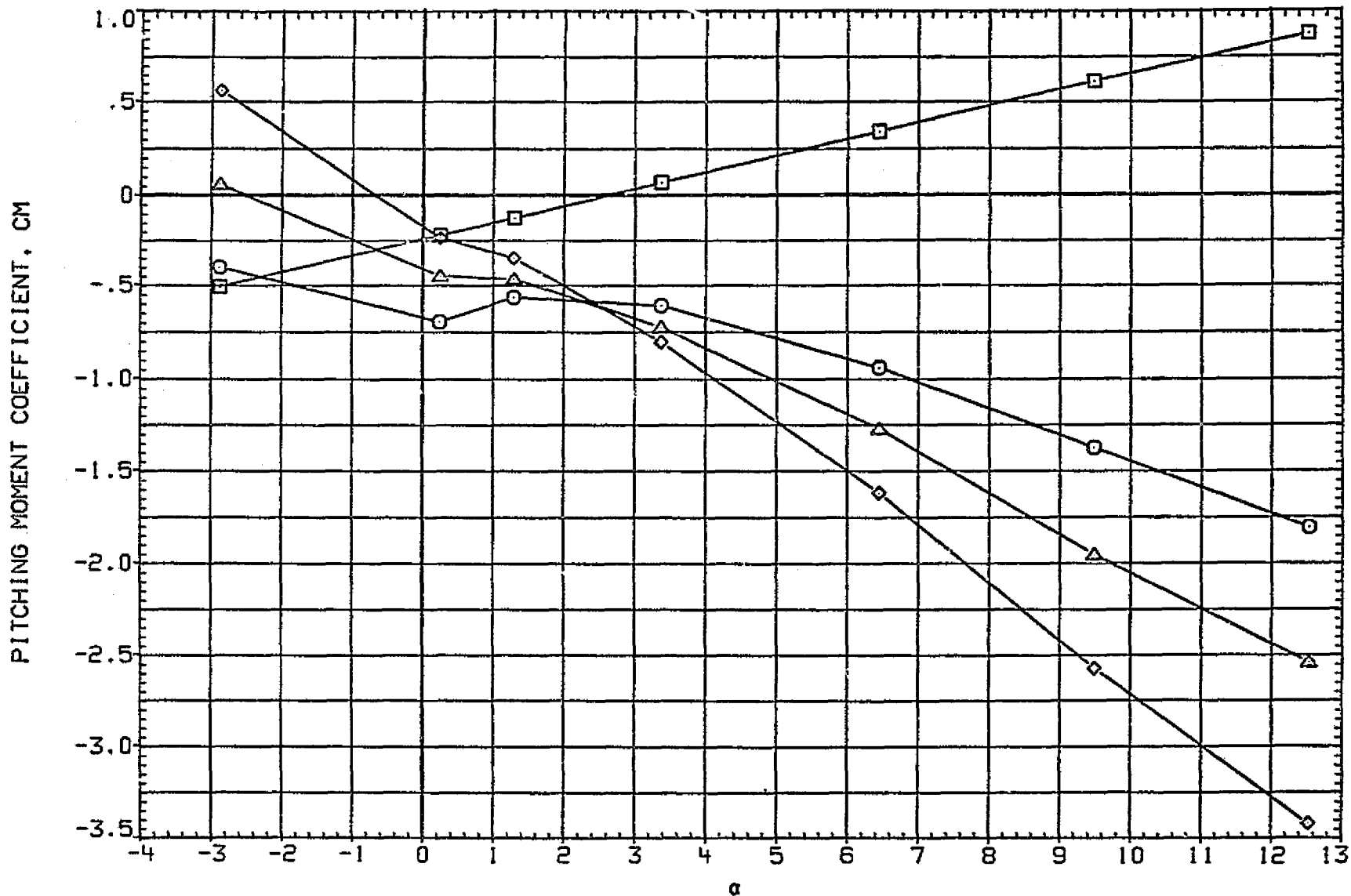


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ225) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CM | MACH | 1.938 | BETA | .000 |
| ○ | CMC | D1 | .000 | D3 | .000 |
| △ | CMT | D2 | -3.000 | D4 | -3.000 |
| □ | CMB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

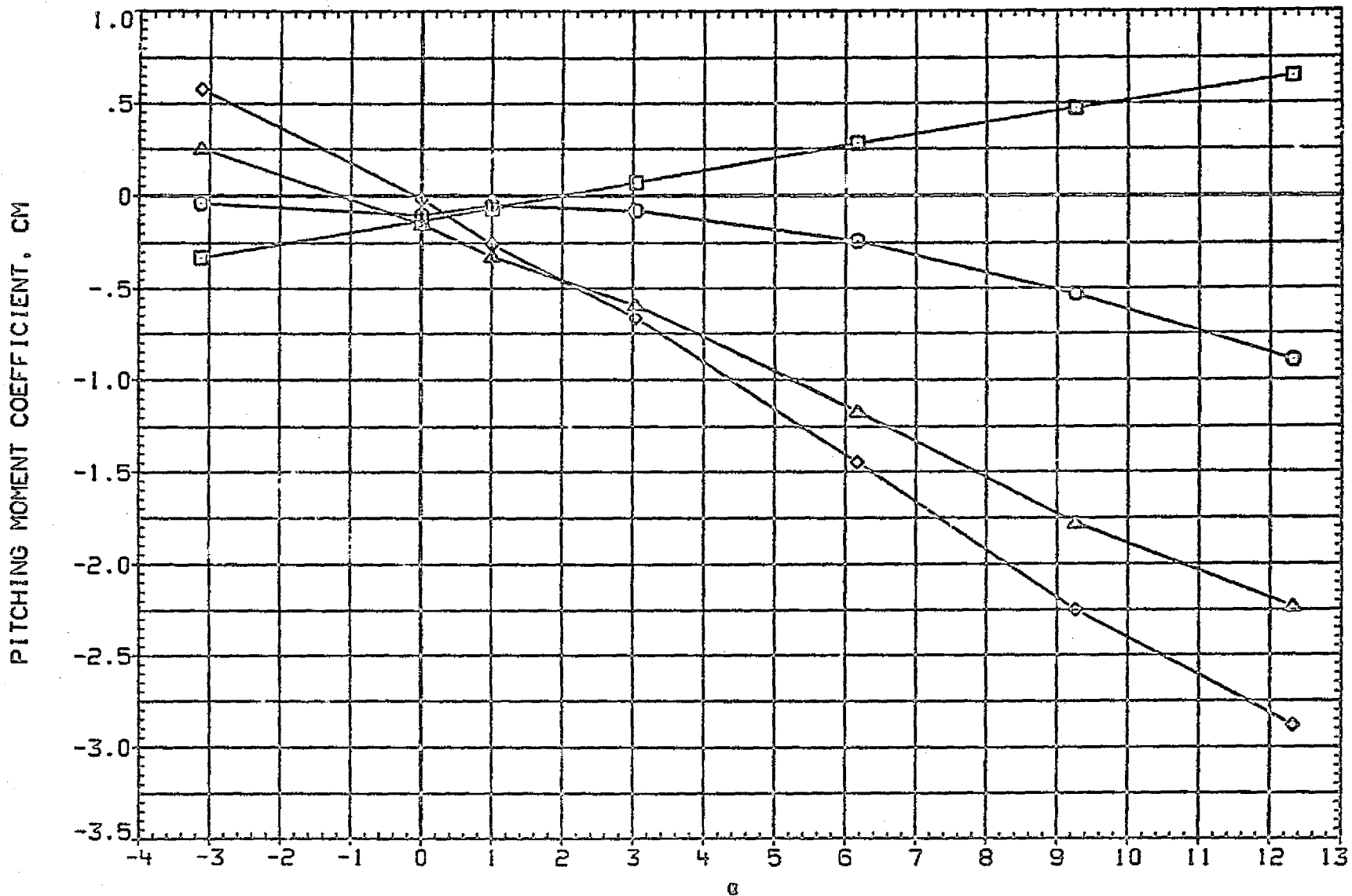


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ225) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| O | CA | HACH | 1.503 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

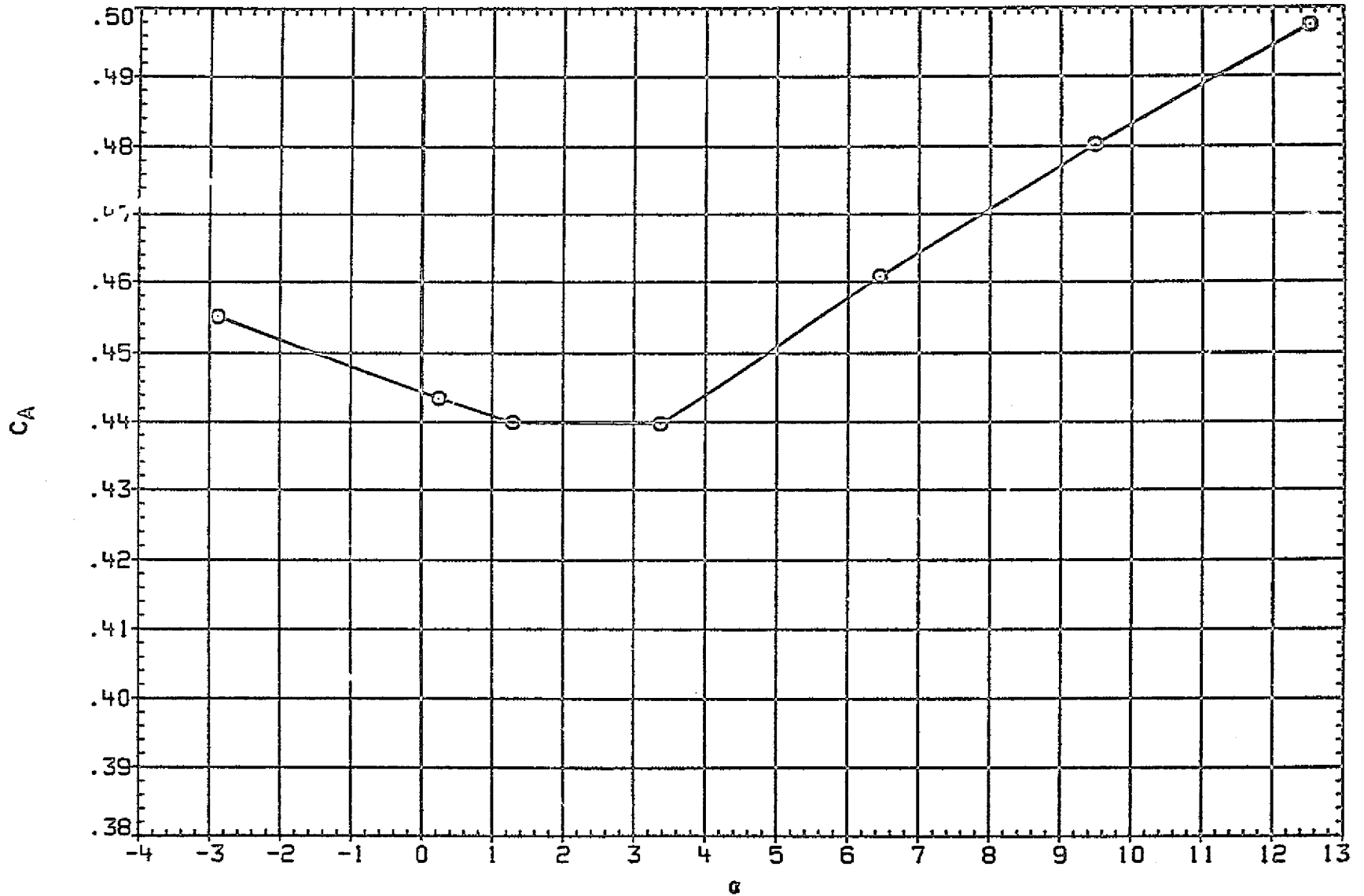


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ225) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CA | MACH | 1.989 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

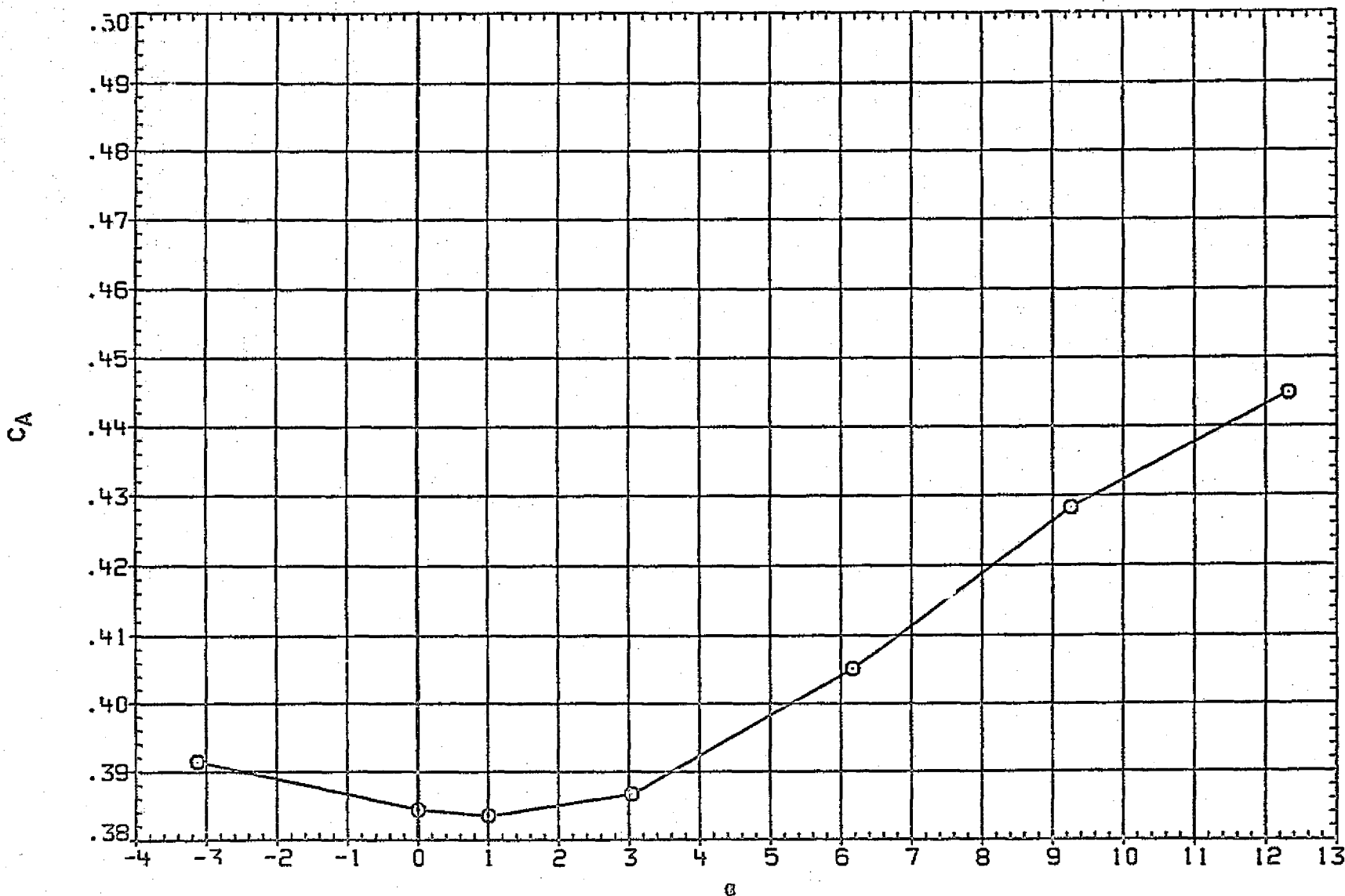


FIG. 9 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ225) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CY | MACH | 1.503 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| △ | CYT | D2 | -3.000 | D4 | -3.000 |
| ◇ | CYB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

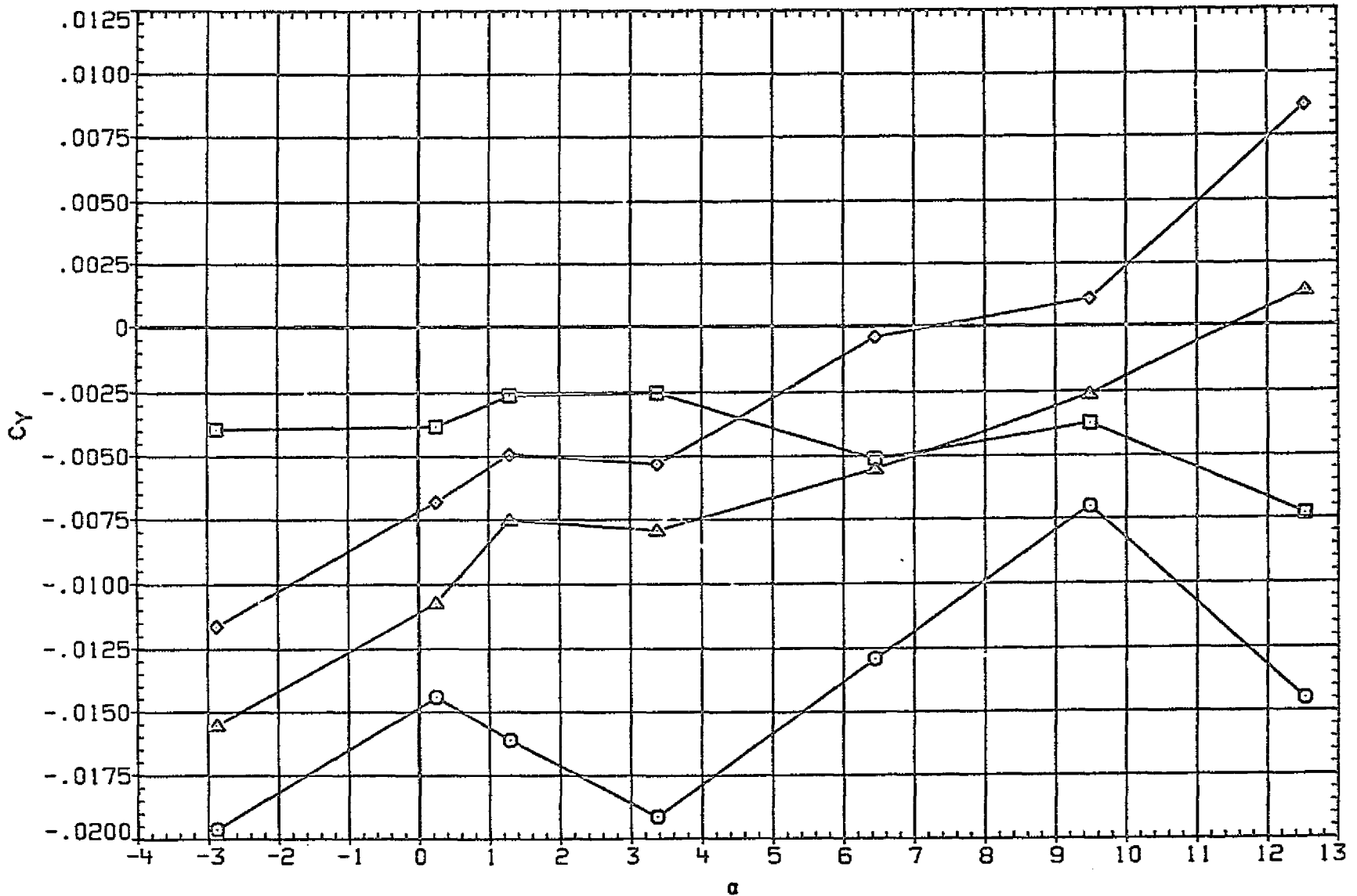


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ225) CONFIGURATION 13 (BN'C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CY | MACH | 1.988 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| △ | CYT | D2 | -3.000 | D4 | -3.000 |
| | CYB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

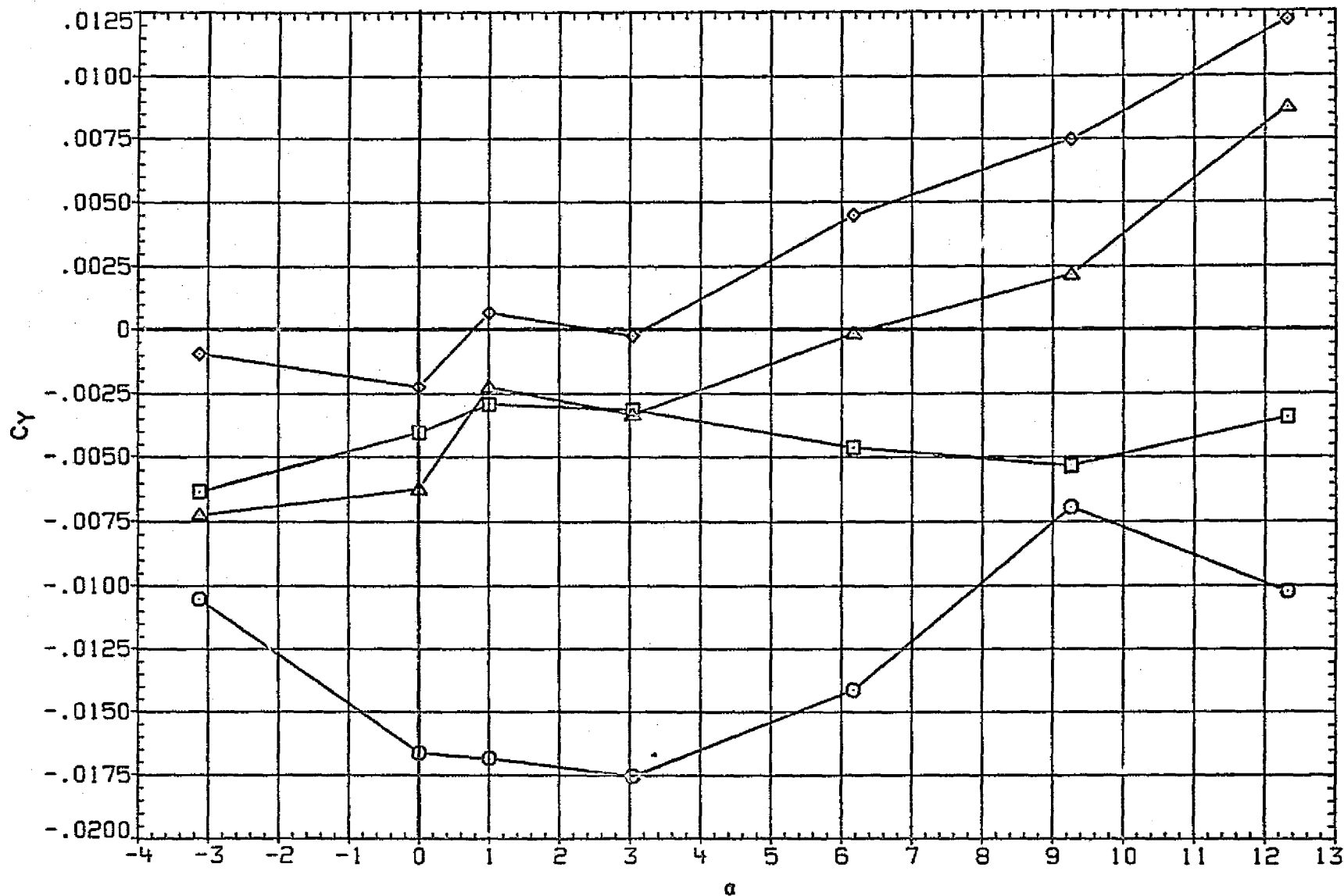


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ225) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CYM | MACH | 1.503 | BETA | .000 |
| ○ | CYMC | D1 | .000 | D3 | .000 |
| △ | CYMT | D2 | -3.000 | D4 | -3.000 |
| □ | CYMB | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

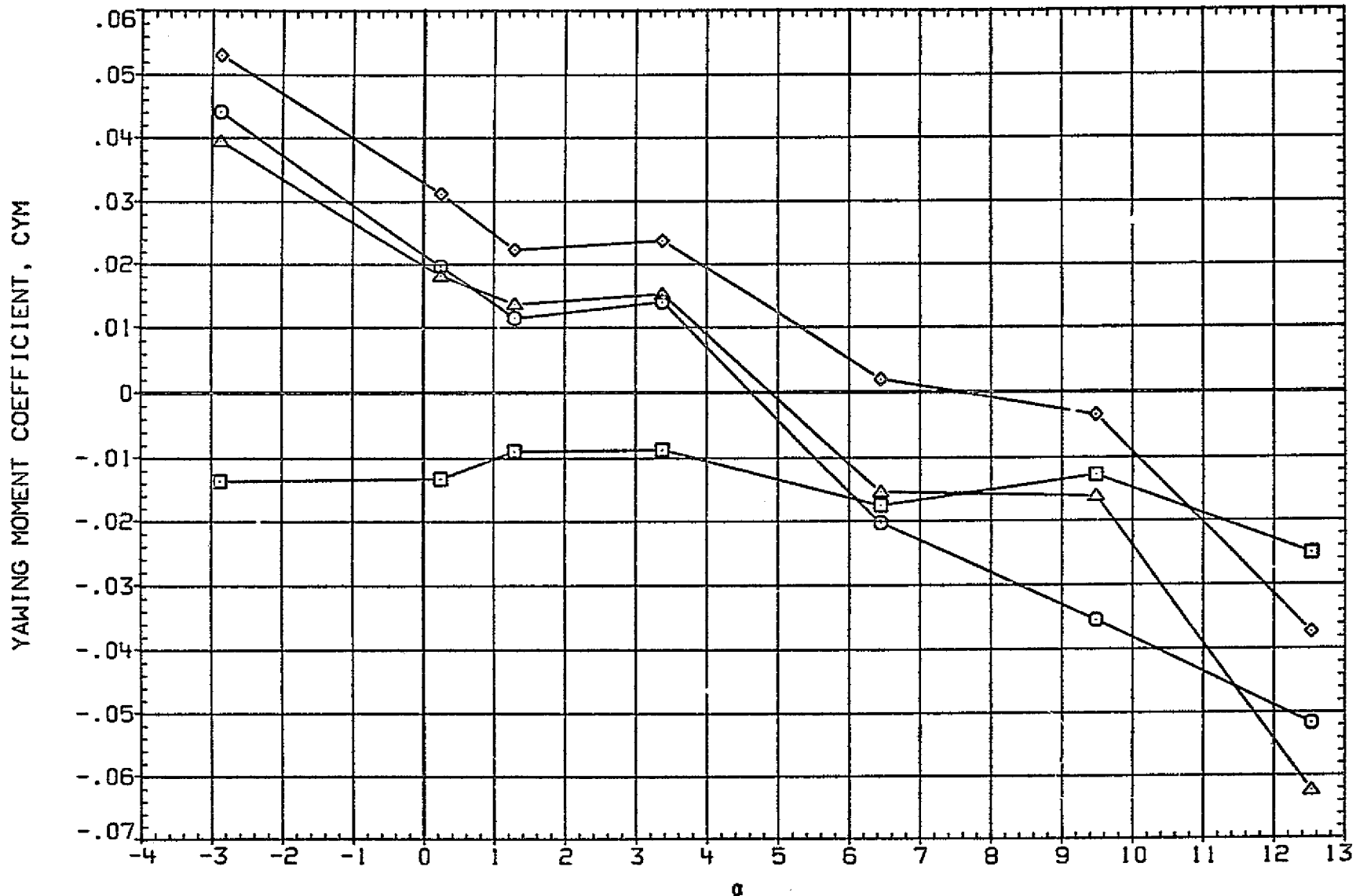


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ225) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|--------|
| ◇ | CYM | MACH | 1.988 | BETA | .000 |
| □ | CYM-C | D1 | .000 | D3 | .000 |
| △ | CYM-T | D2 | -3.000 | D4 | -3.000 |
| | CYM-B | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

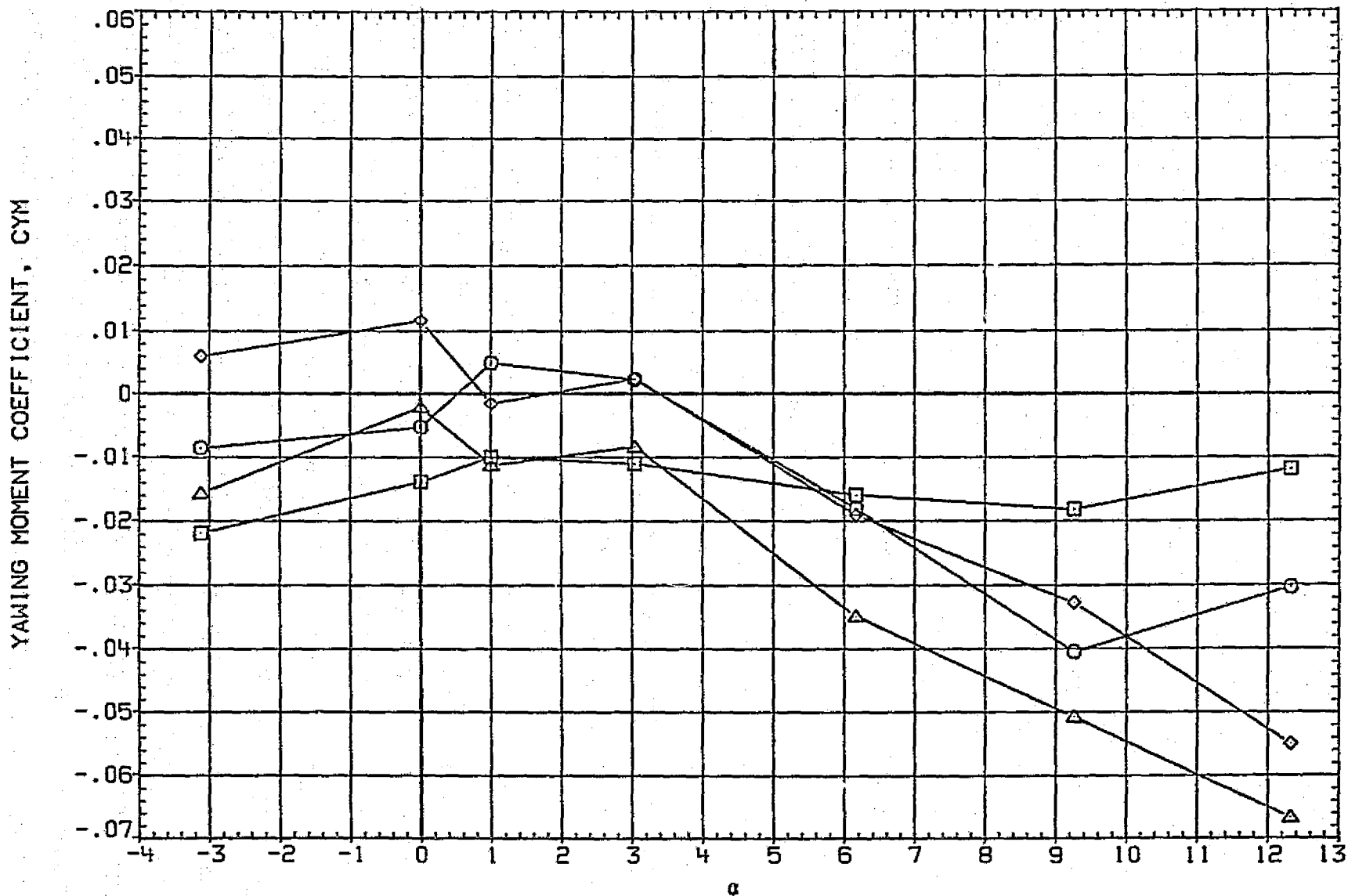


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ225) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|--------|
| ◇ | CRM | MACH | 1.503 | BETA | .000 |
| ◇ | CRM-C | D1 | .000 | D3 | .000 |
| ◇ | CRM-T | D2 | -3.000 | D4 | -3.000 |
| ◇ | CRM-B | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

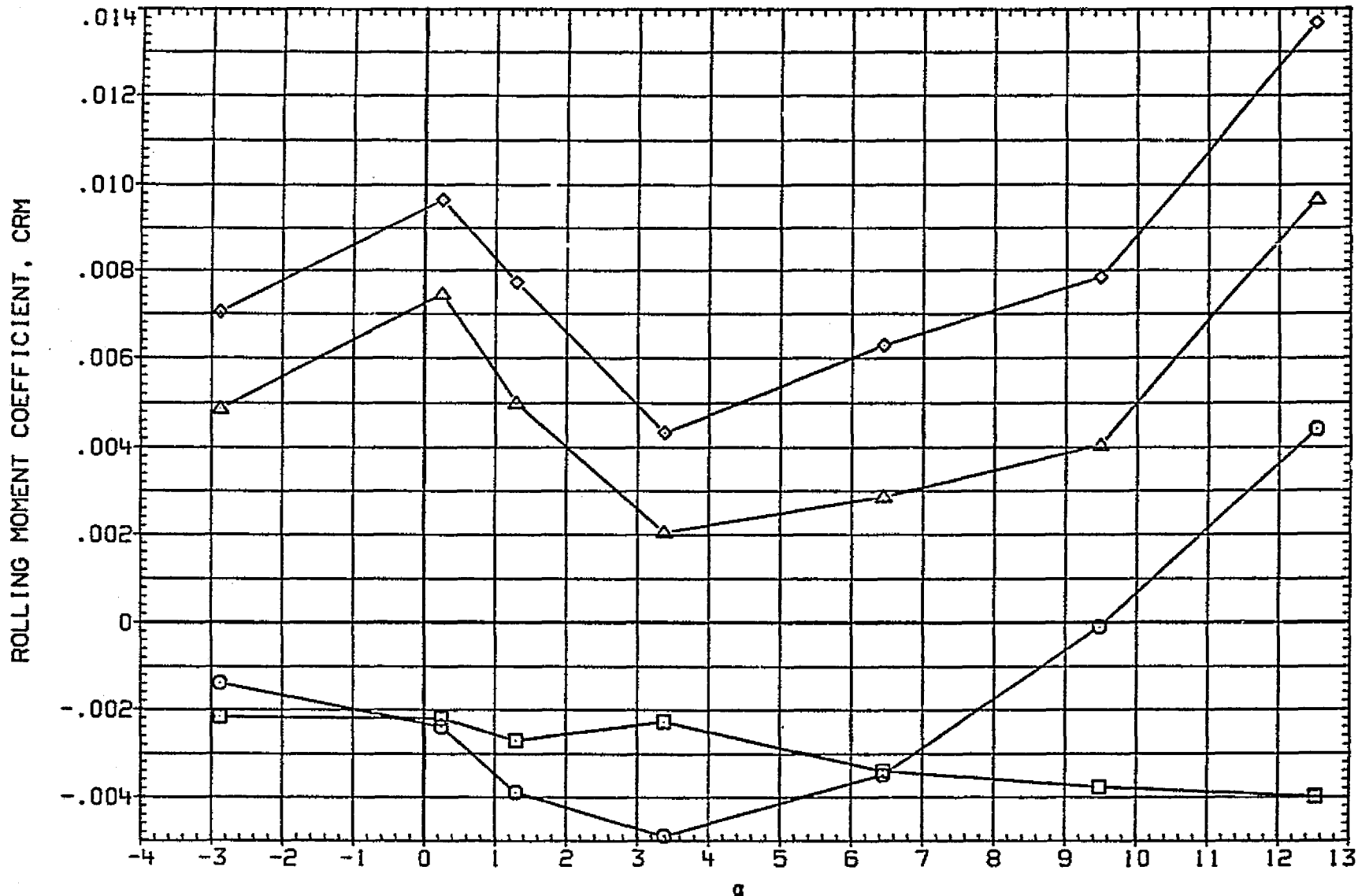


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ 15) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|-------|--------|
| ○ | CRM | MACH | 1.988 | BETA | .000 |
| ◇ | CRM _C | D1 | .000 | D3 | .000 |
| △ | CRM _T | D2 | -3.000 | D4 | -3.000 |
| | CRM _B | D1-3 | .000 | D2-4 | -3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

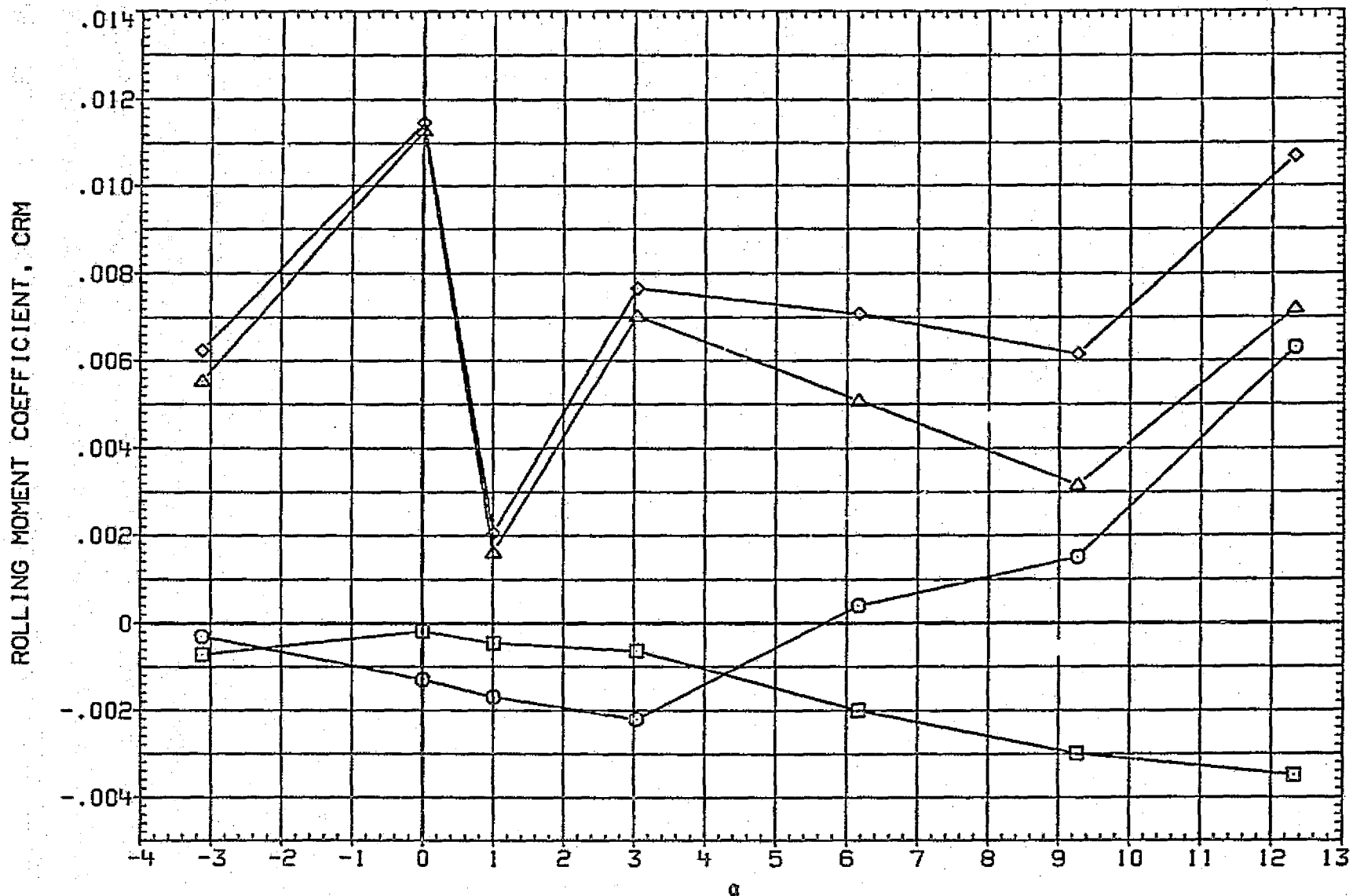


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ226) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CN | MACH | 1.501 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | .000 | D4 | .000 |
| △ | CNS | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

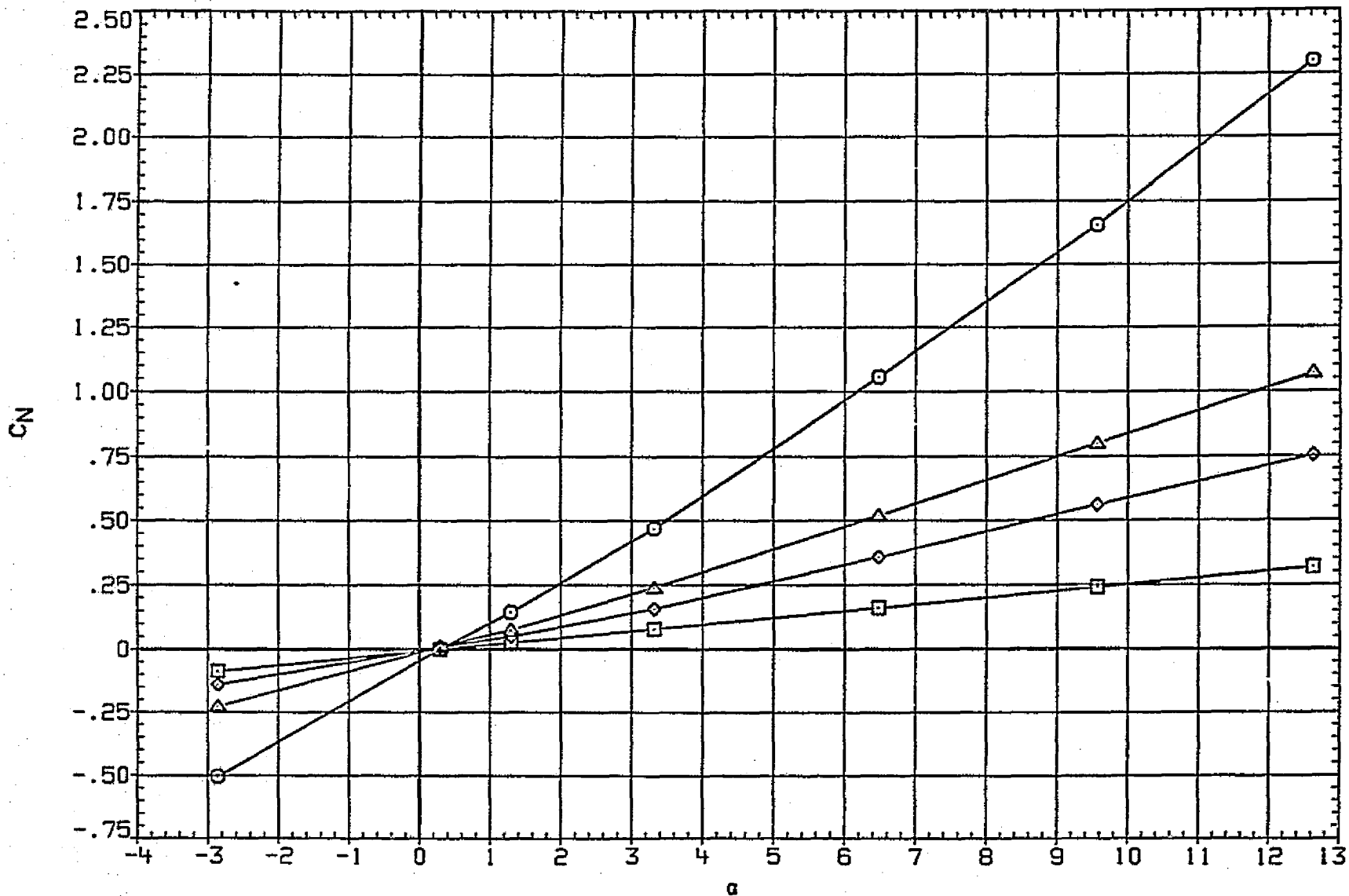


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ226)

CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CN | MACH | 1.955 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | .000 | D4 | .000 |
| △ | CN3 | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

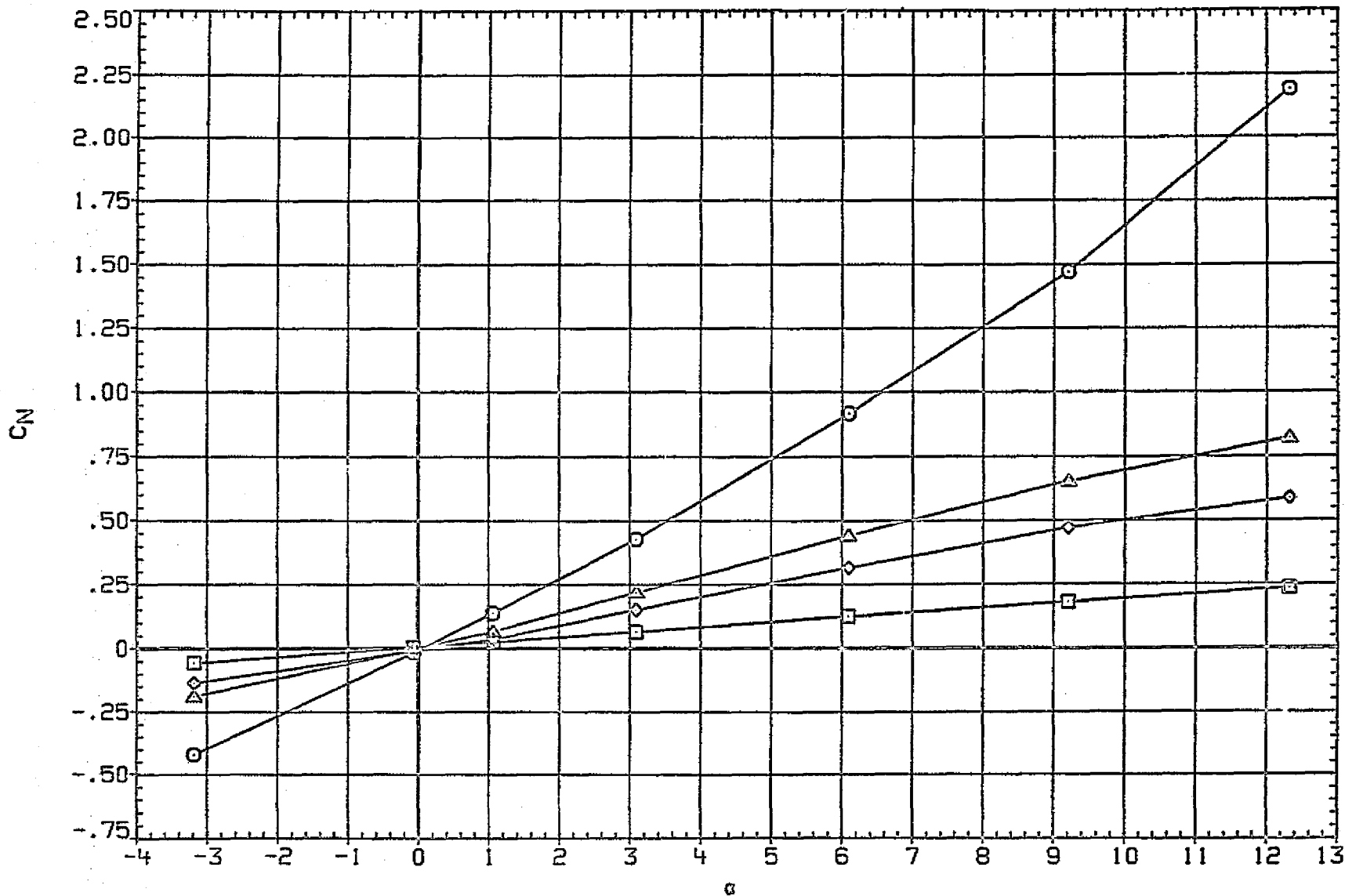


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ226)

CONFIGURATION 13 (BN104T1)

SYMBOL DATA

PARAMETRIC VALUES

| | | | | | |
|---|-----|-------|-------|-------|------|
| ◇ | CM | MACH | 1.501 | BETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| △ | CMT | D2 | .000 | D4 | .000 |
| ◇ | CMB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

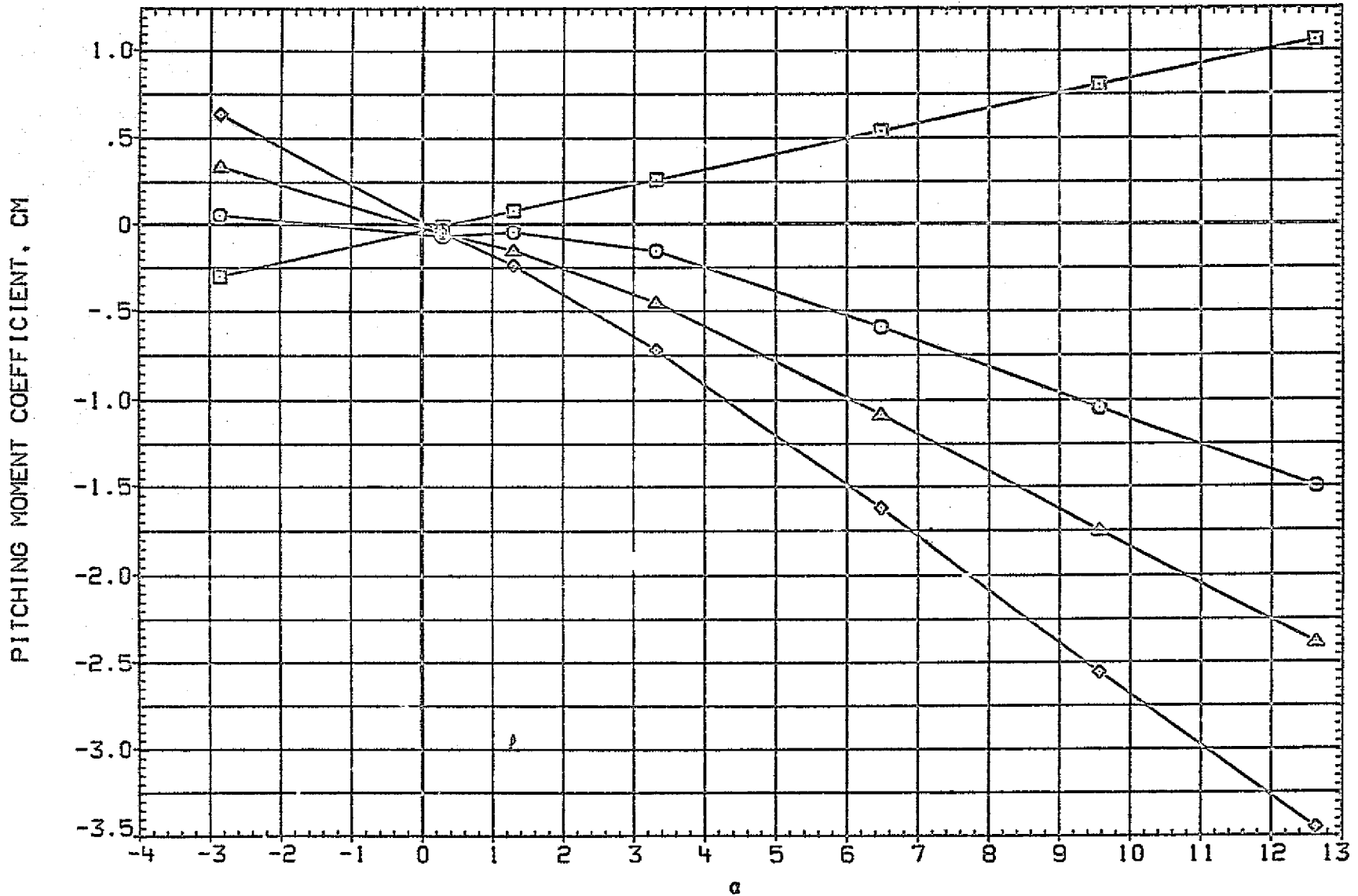


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ226) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ◇ | CM | MACH | 1.995 | BETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| ○ | CMT | D2 | .000 | D4 | .000 |
| △ | CMB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

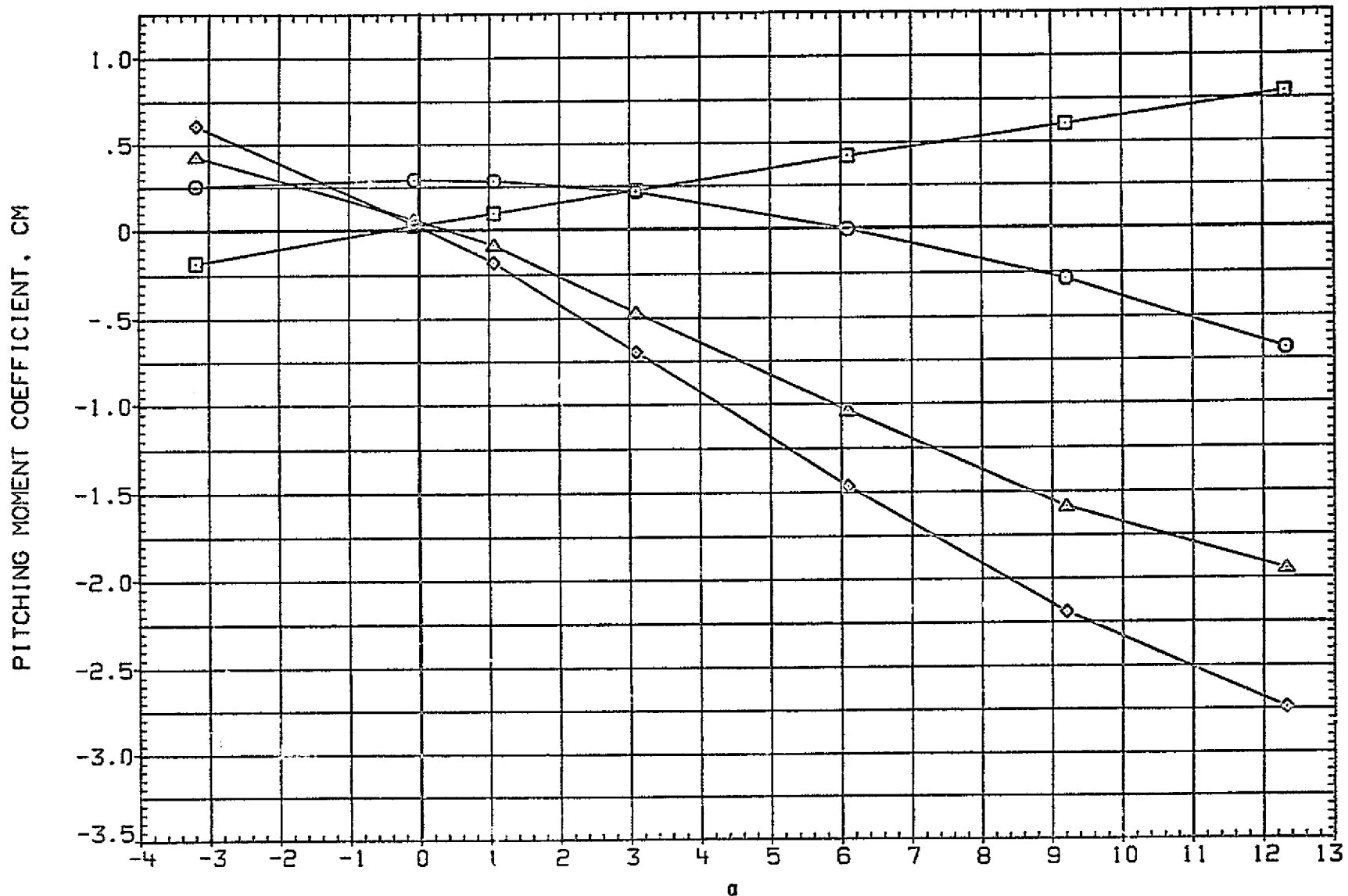


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ226) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CA | MACH | 1.501 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

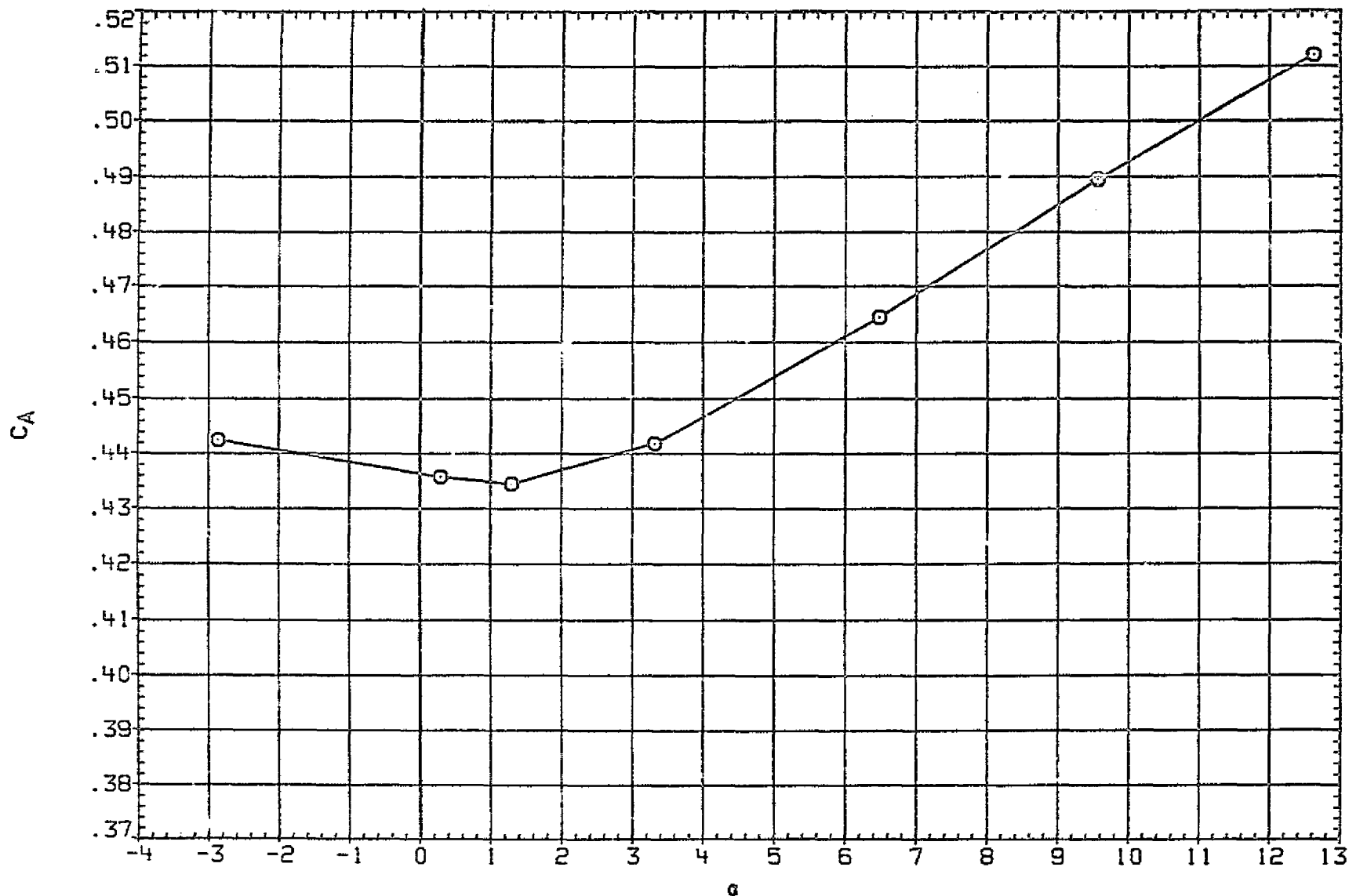


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ226) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| O | CA | MACH | 1.995 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

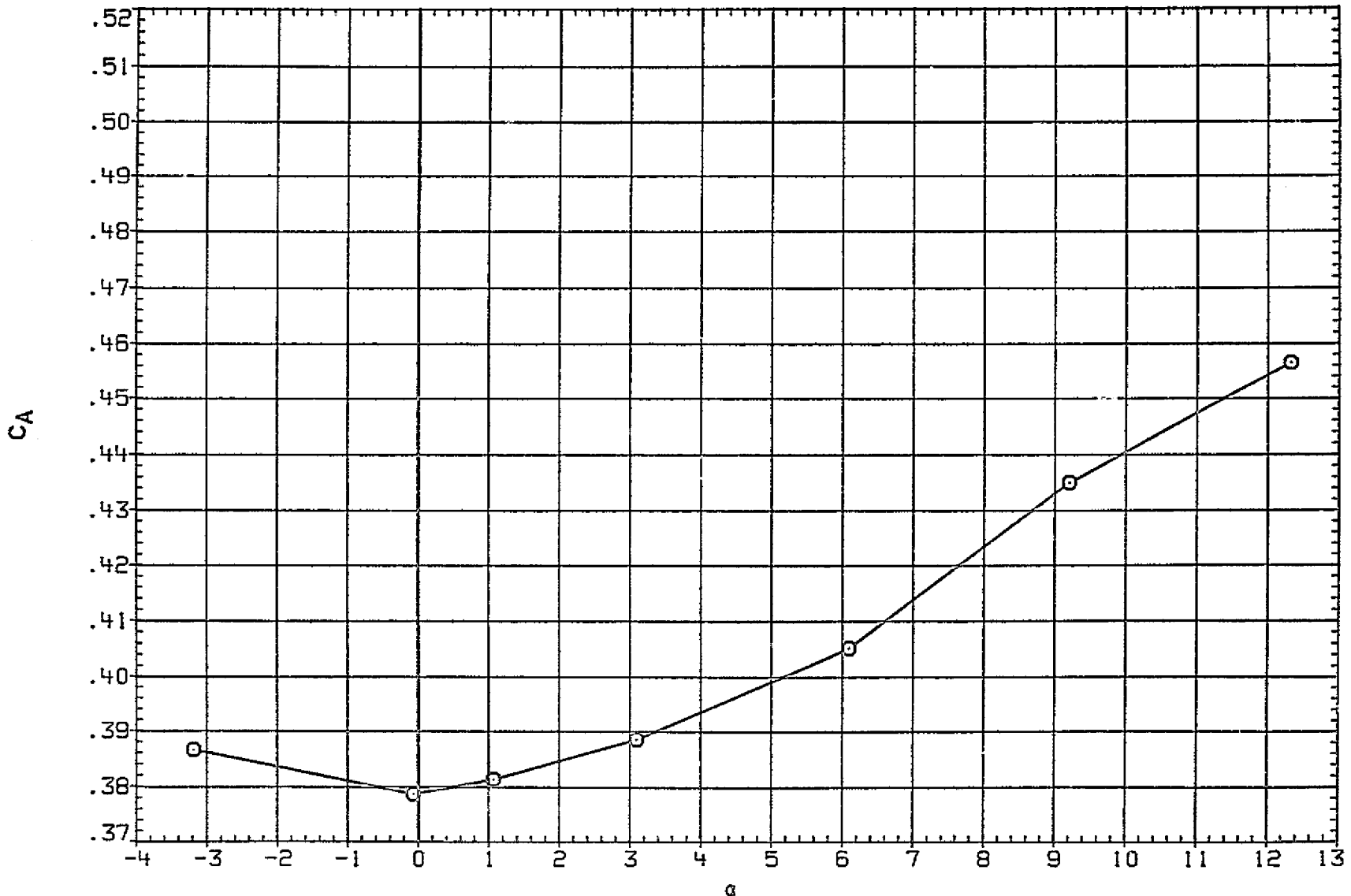


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ226) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CY | MACH | 1.501 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ◇ | CYT | D2 | .000 | D4 | .000 |
| △ | CYB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

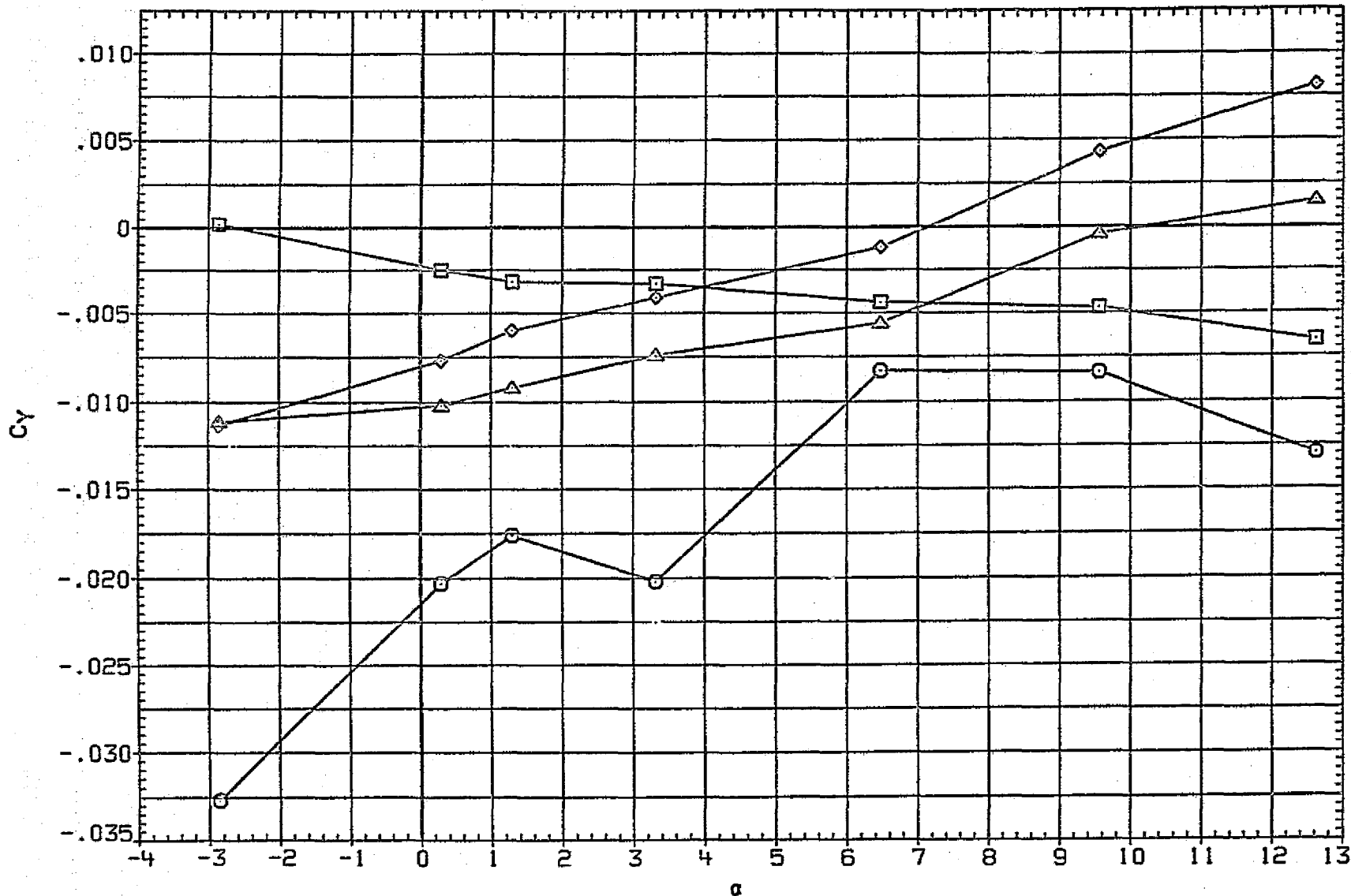


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ226)

CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ◇ | CY | MACH | 1.995 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| △ | CYT | D2 | .000 | D4 | .000 |
| ○ | CYB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

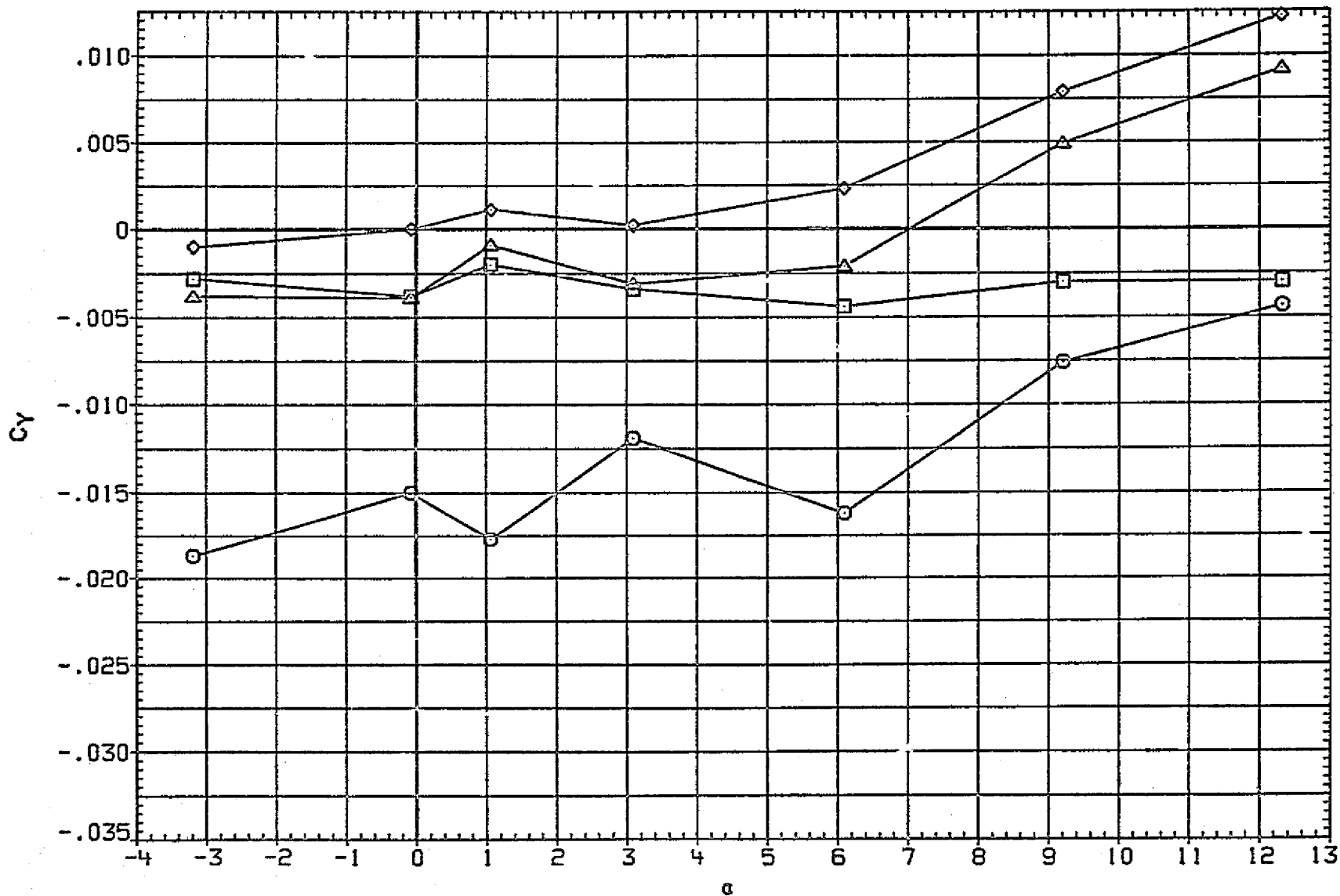


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ226) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CYM | MACH | 1.501 | BETA | .000 |
| □ | CYMC | D1 | .000 | D3 | .000 |
| ◇ | CYMT | D2 | .000 | D4 | .000 |
| △ | CYMS | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

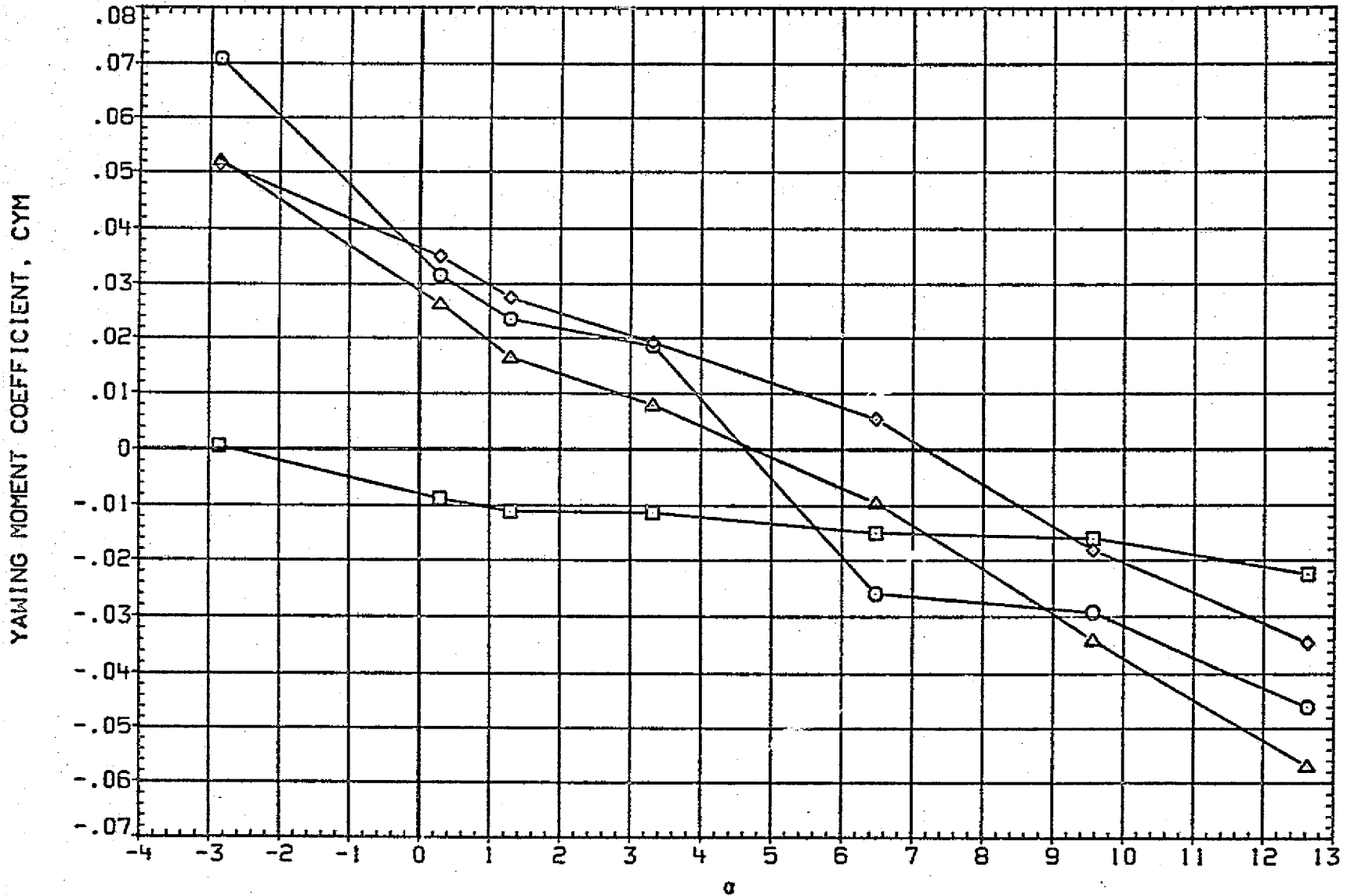


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ226) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| ○ | CYH | MACH | 1.995 | BETA | .000 |
| □ | CYHC | D1 | .000 | D3 | .000 |
| ◇ | CYHT | D2 | .000 | D4 | .000 |
| △ | CYMB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

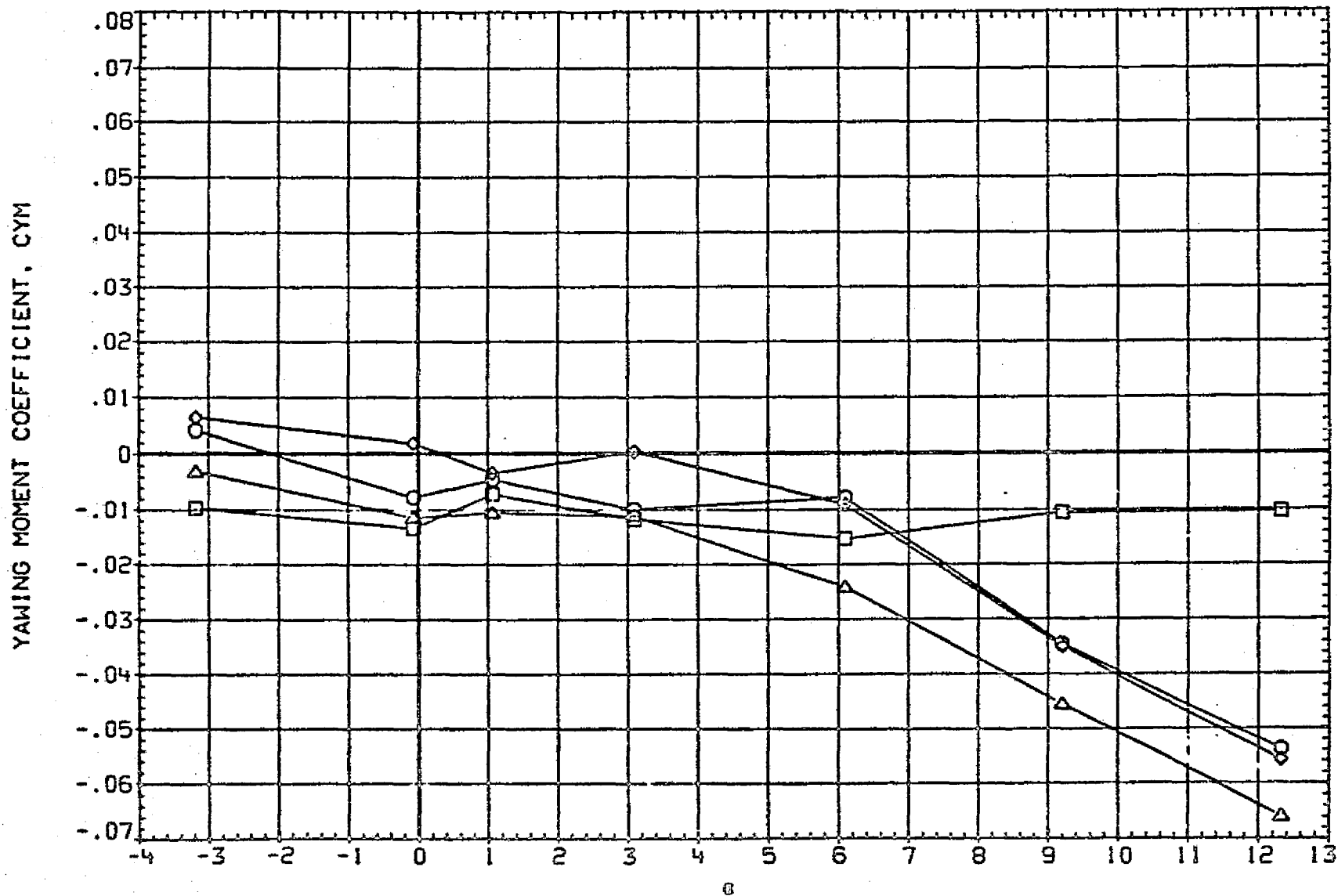


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ226) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|------|
| □ | CRM | MACH | 1.501 | BETA | .000 |
| ◇ | CRMC | D1 | .000 | D3 | .000 |
| ◇ | CRMT | D2 | .000 | D4 | .000 |
| △ | CRMB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

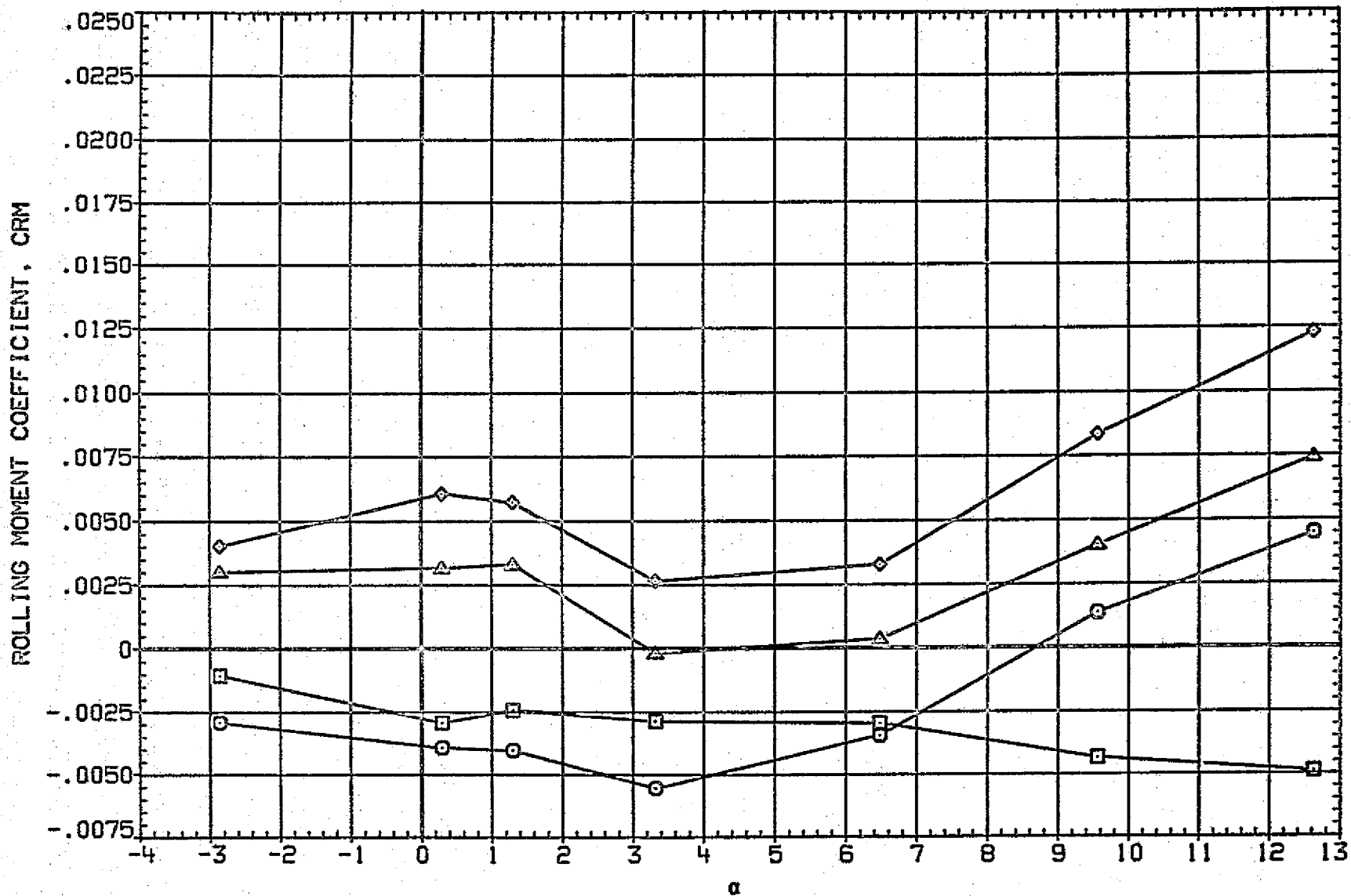


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ226) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|-------|------|
| ◇ | CRM | MACH | 1.995 | BETA | .000 |
| ◇ | CRM C | D1 | .000 | D3 | .000 |
| ◇ | CRM T | D2 | .000 | D4 | .000 |
| △ | CRM B | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | .000 | PHI-T | .000 |

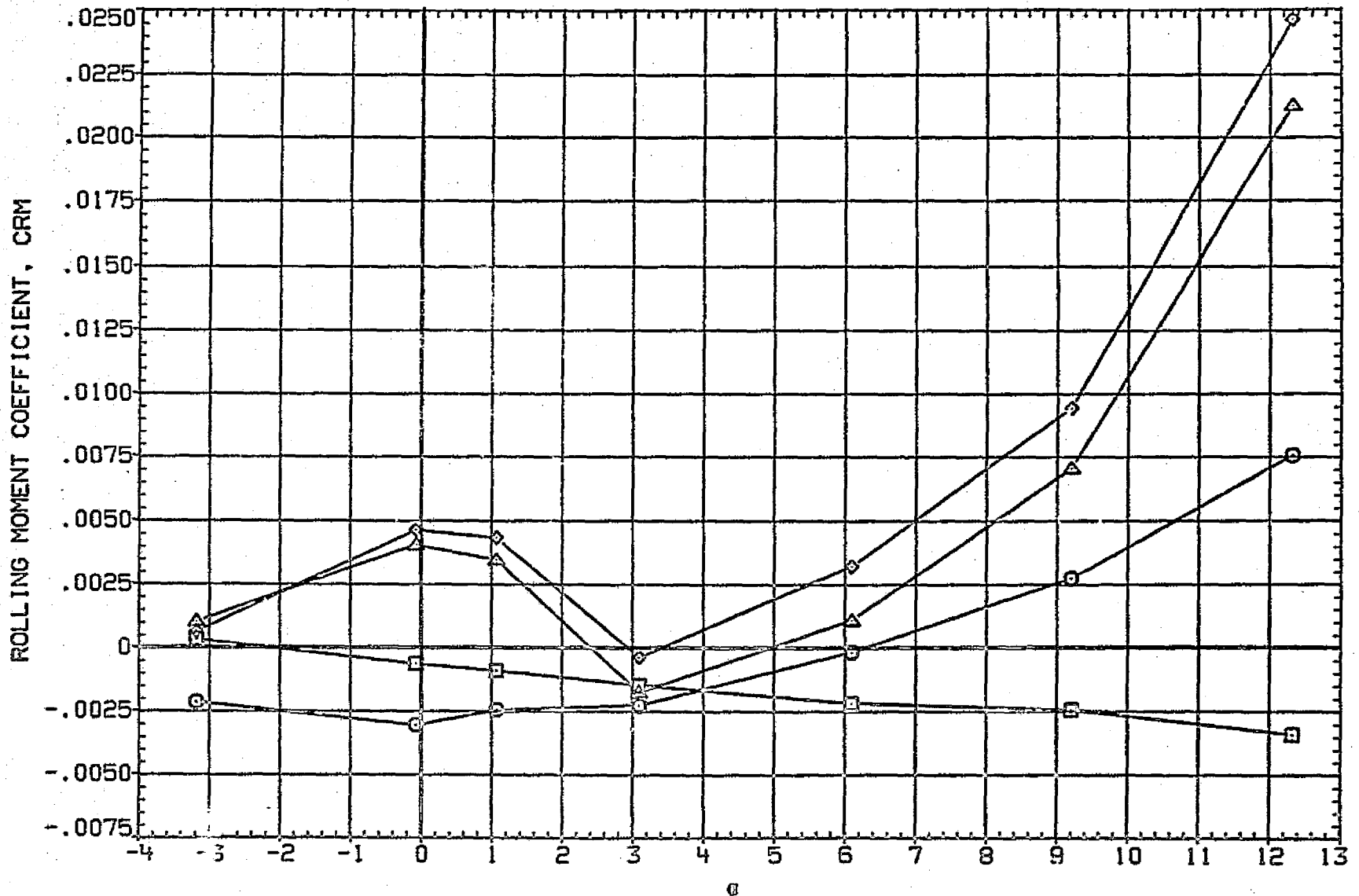


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ27) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| □ | CN | MACH | 1.500 | BETA | .000 |
| ◇ | CNC | D1 | .000 | D3 | .000 |
| △ | CNT | D2 | 1.000 | D4 | 1.000 |
| | CNS | D1-S | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

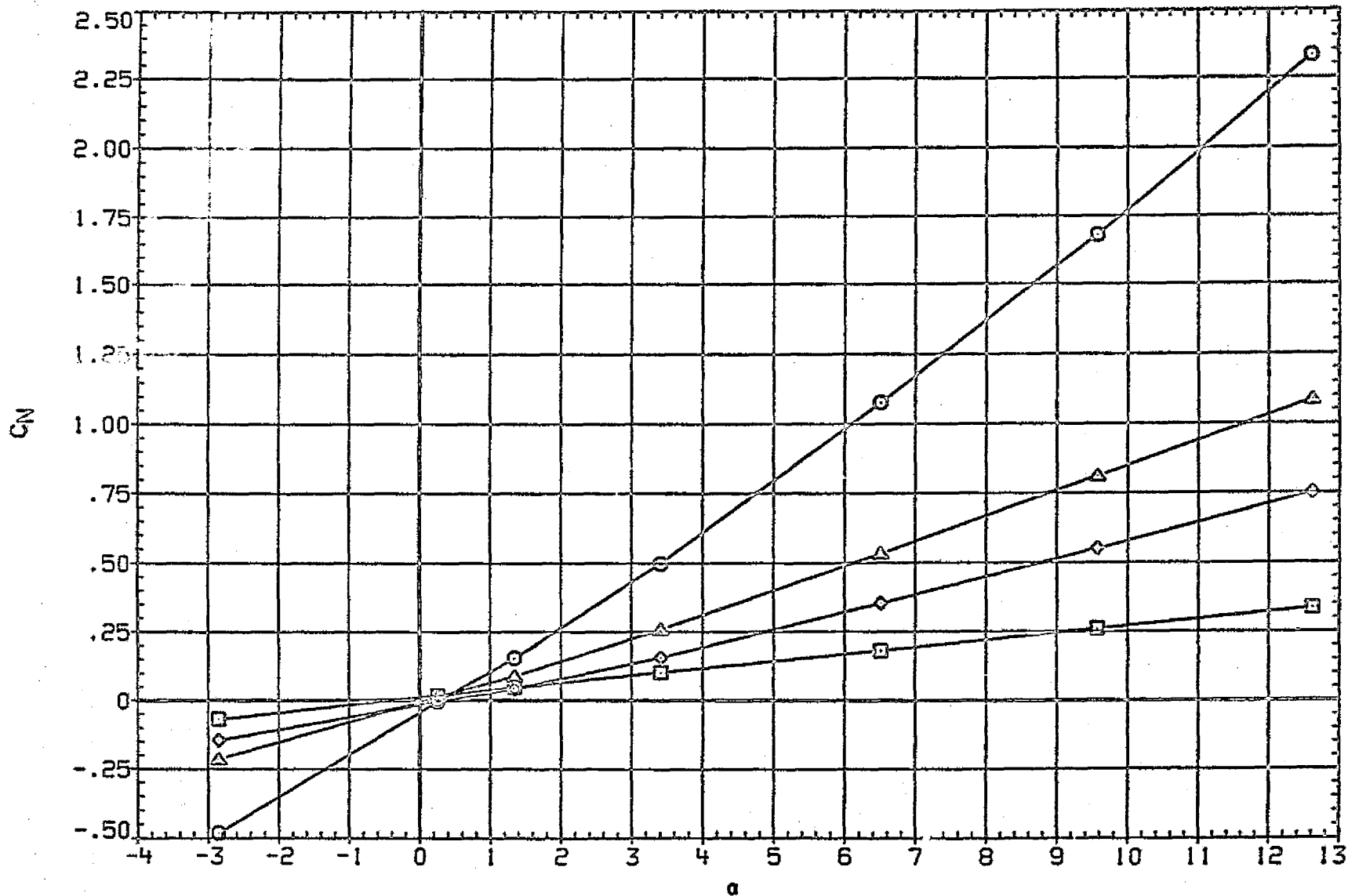


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CN | MACH | 1.990 | BETA | .000 |
| ◇ | CNC | D1 | .000 | D3 | .000 |
| △ | CNT | D2 | 1.000 | D4 | 1.000 |
| □ | CNS | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

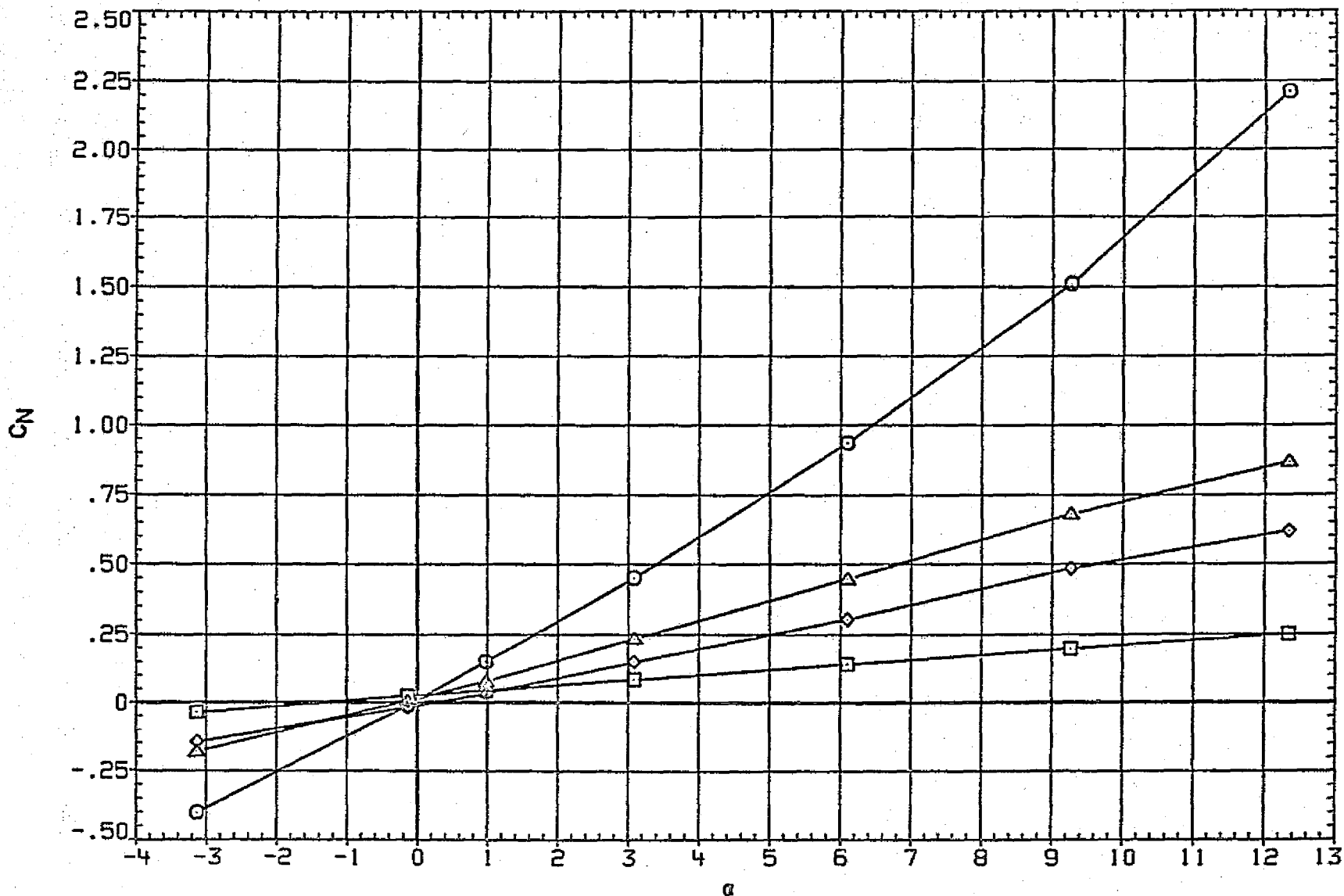


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ◇ | CM | MACH | 1.500 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| △ | CMT | D2 | 1.000 | D4 | 1.000 |
| ○ | CK3 | D1-3 | .000 | D2-4 | 1.000 |
| | | FHI-C | .000 | FHI-T | .000 |

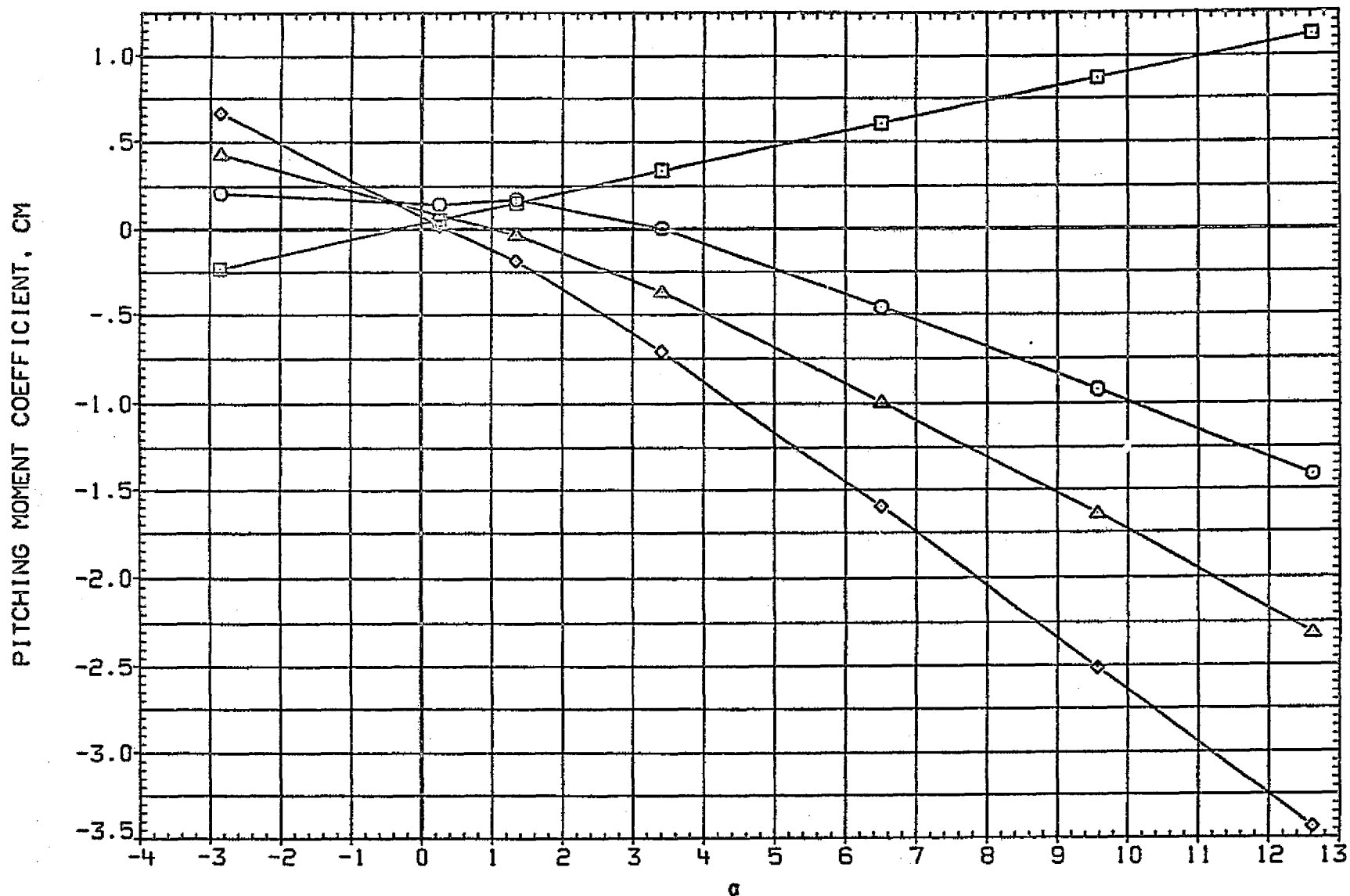


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CM | MACH | 1.990 | BETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| △ | CMT | D2 | 1.000 | D4 | 1.000 |
| ◇ | CMB | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

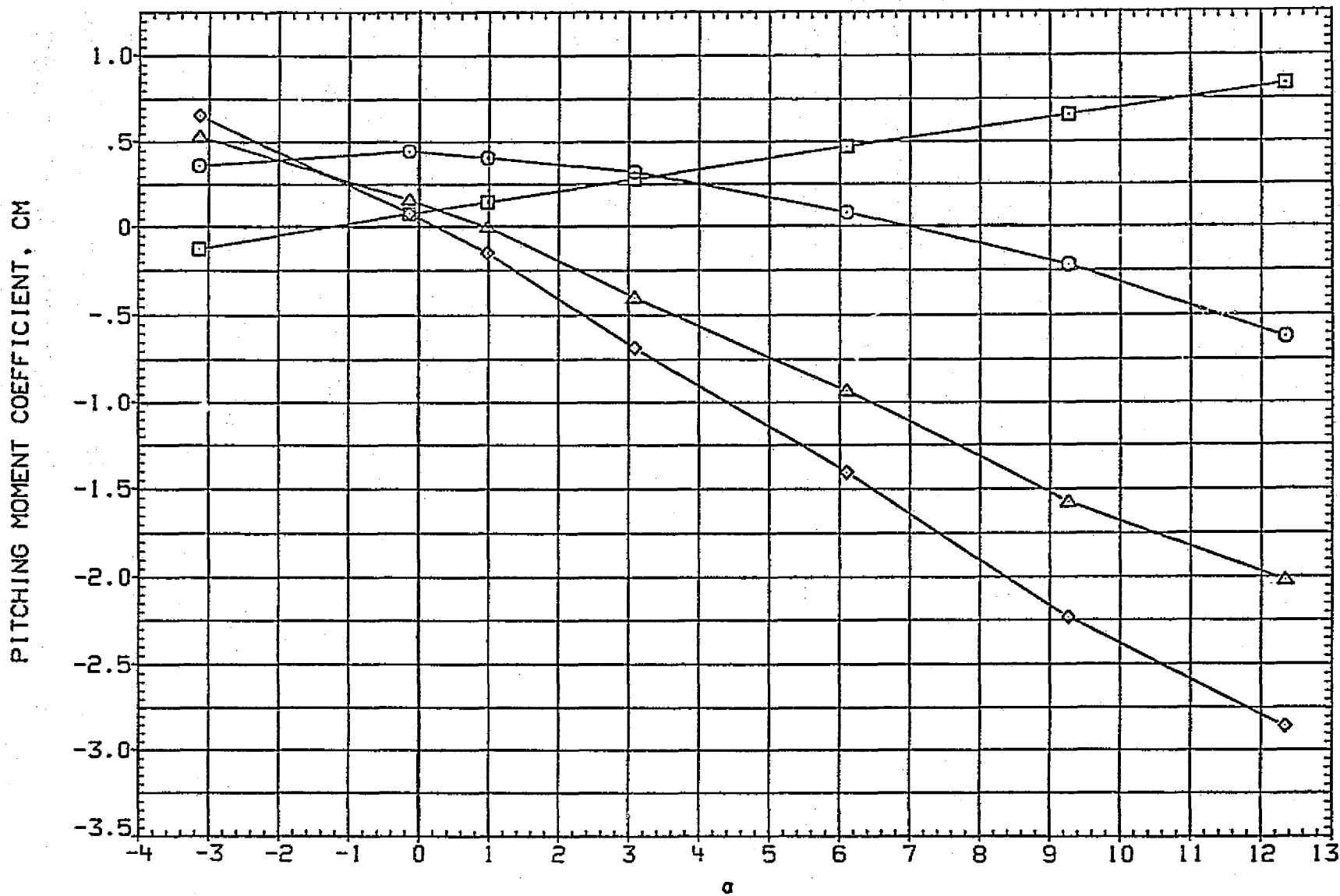


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| O | CA | MACH | 1.500 | BETA | .000 |
| | | D1 | .800 | D3 | .000 |
| | | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | .800 | D2-4 | 1.000 |
| | | PHI-C | .800 | PHI-T | .000 |

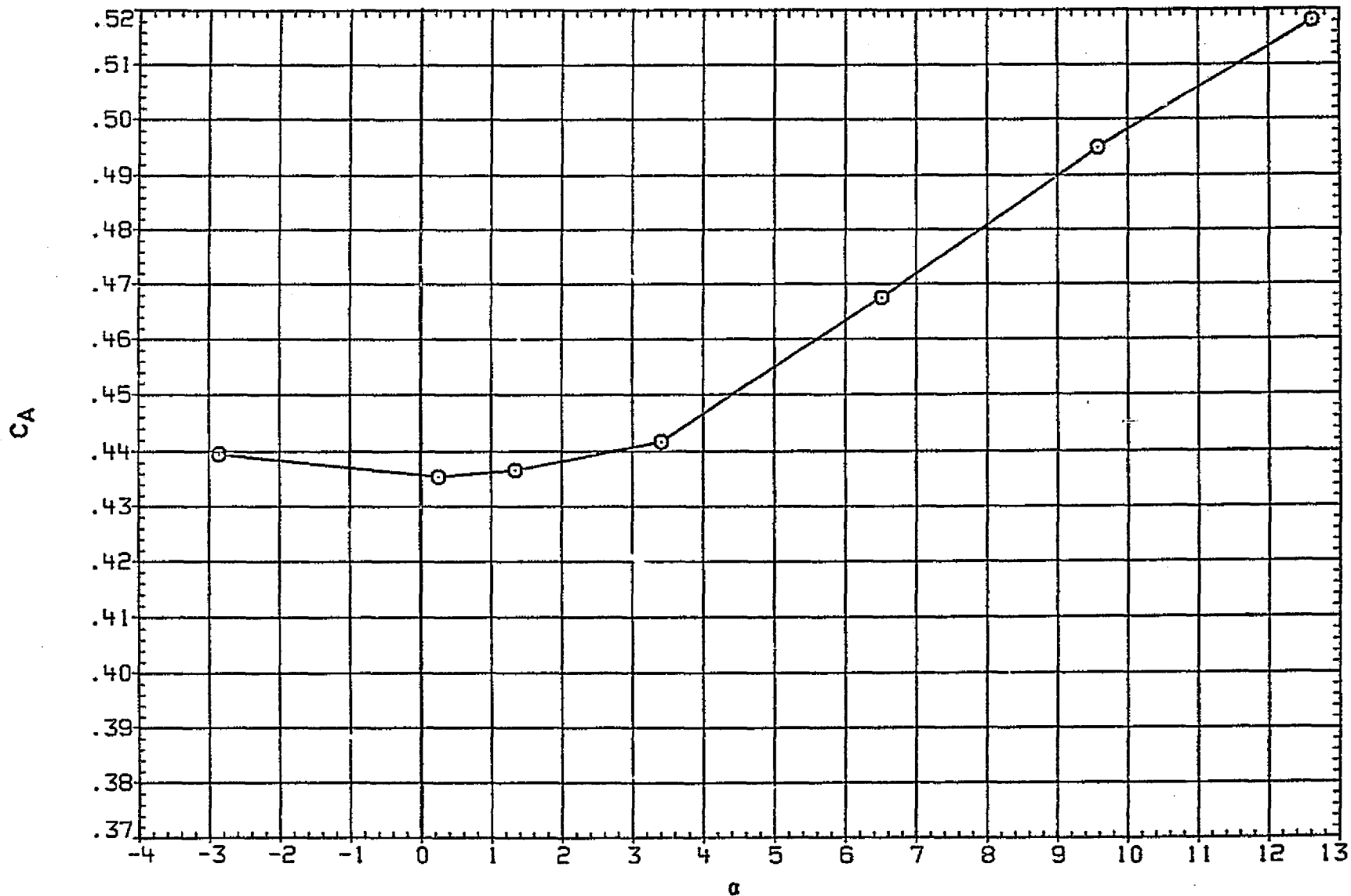


FIG. 8 BODY-CANARD-TAIL CHAR.. MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ227) CONFIGURATION 13 (BNIC4T1)

| SYNSOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| 0 | CA | MACH | 1.990 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

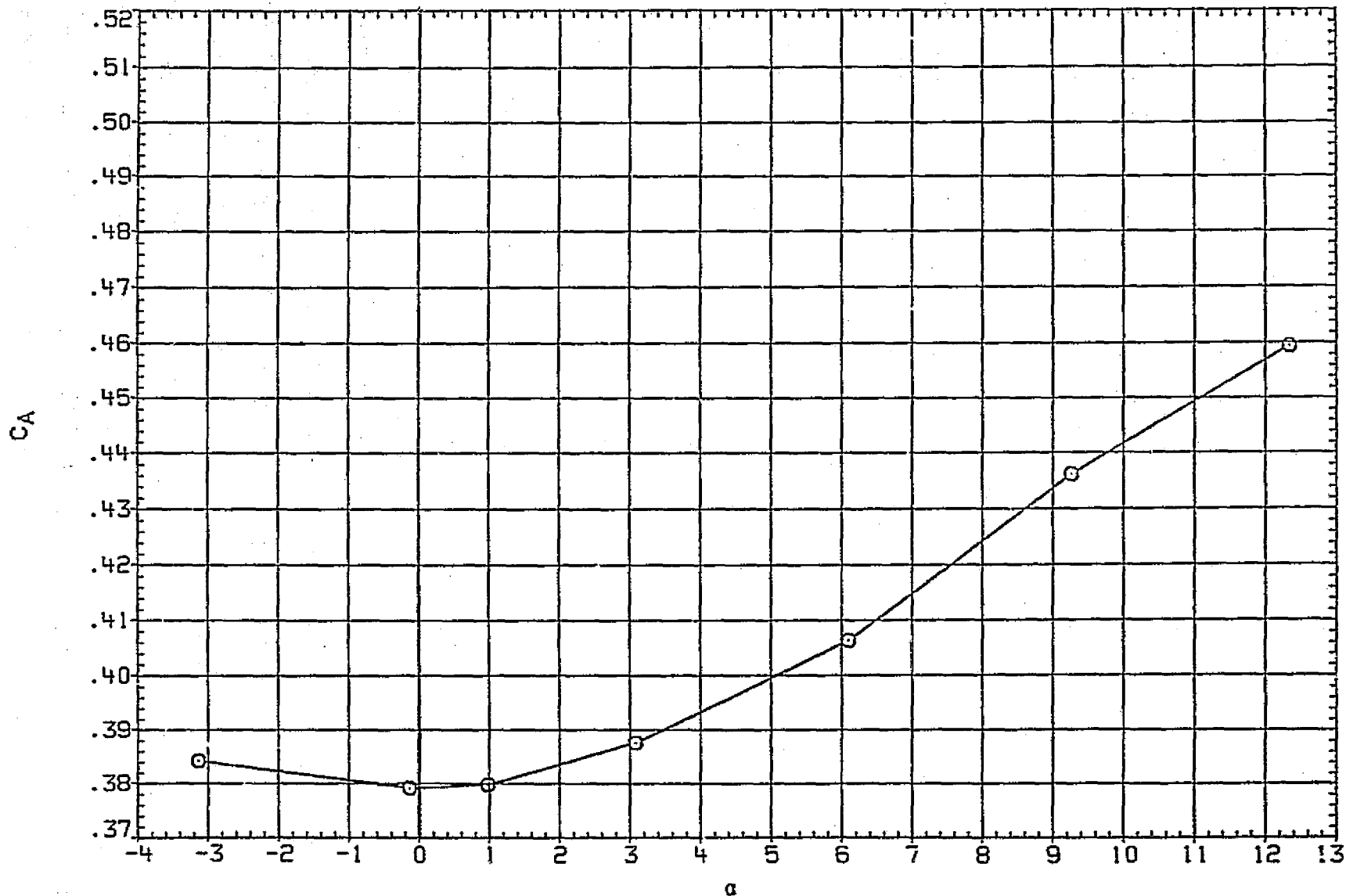


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CY | MACH | 1.500 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ◇ | CYT | D2 | 1.000 | D4 | 1.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

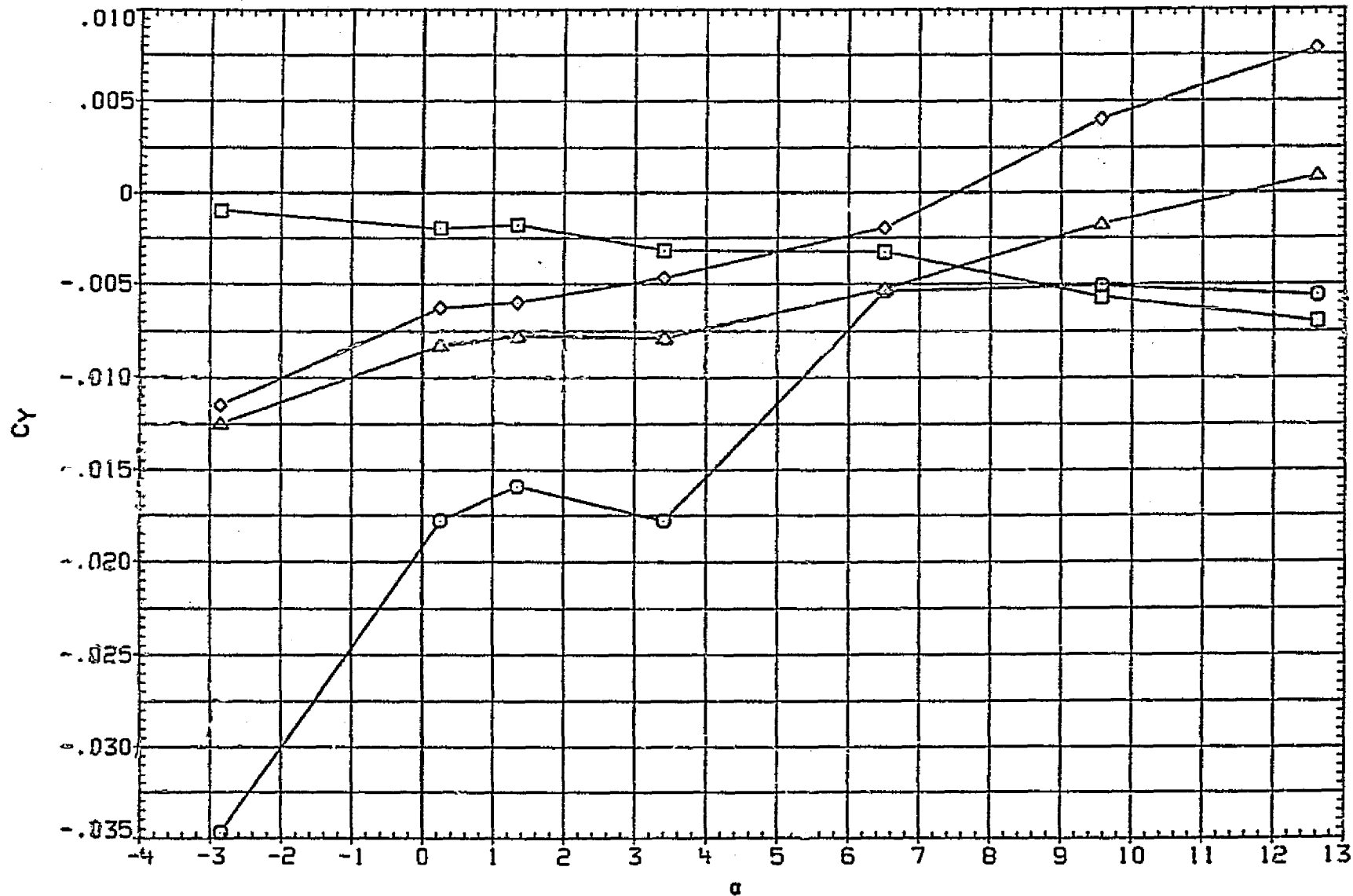


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ227) CONFIGURATION 13 (BNIC471)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CY | MACH | 1.990 | BETA | .000 |
| ◇ | CYC | D1 | .000 | D3 | .000 |
| □ | CYT | D2 | 1.000 | D4 | 1.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

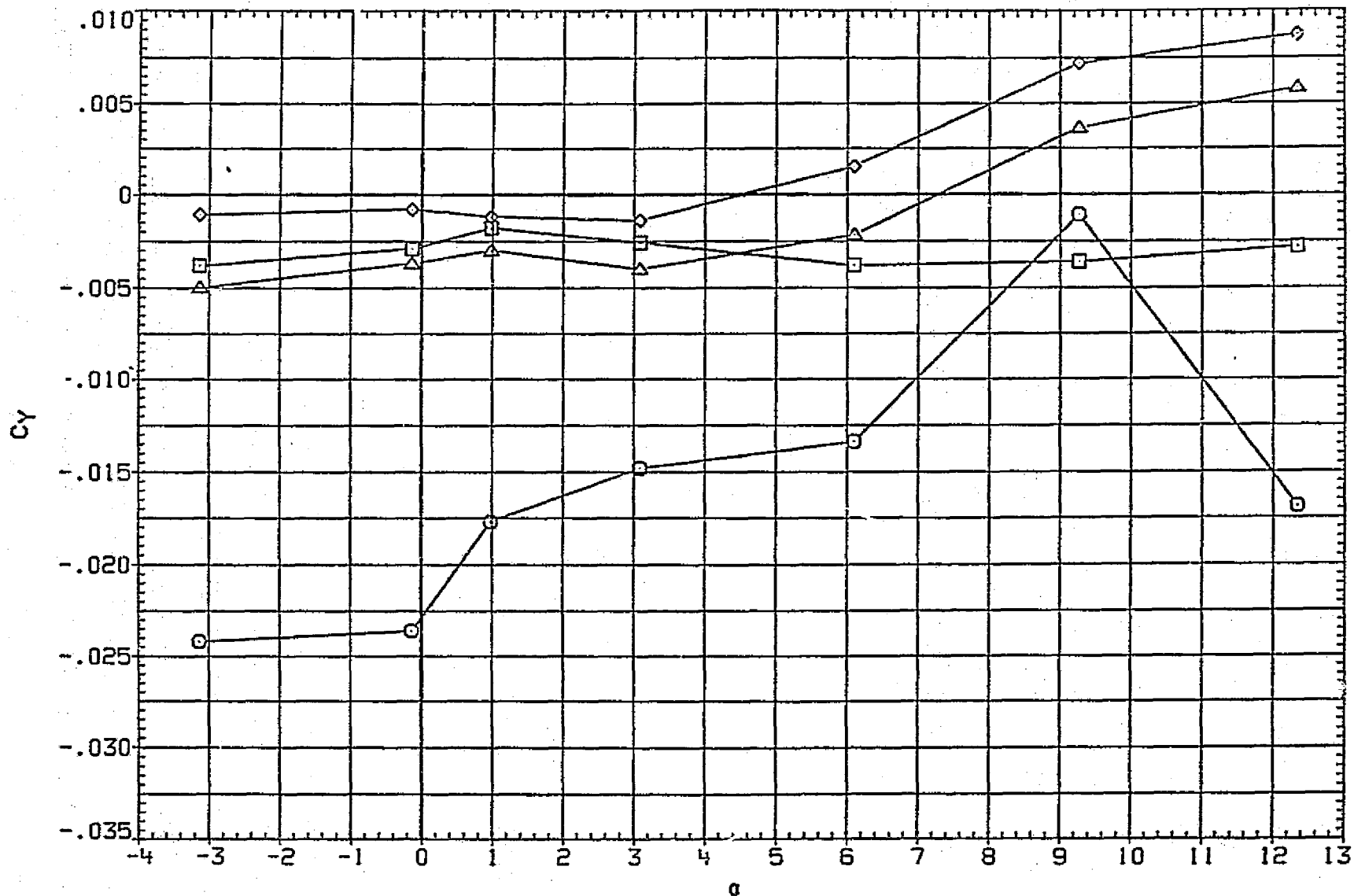


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CYM | MACH | 1.500 | BETA | .000 |
| ◇ | CYMC | D1 | .000 | D3 | .000 |
| ◇ | CYMT | D2 | 1.000 | D4 | 1.000 |
| △ | CYMS | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

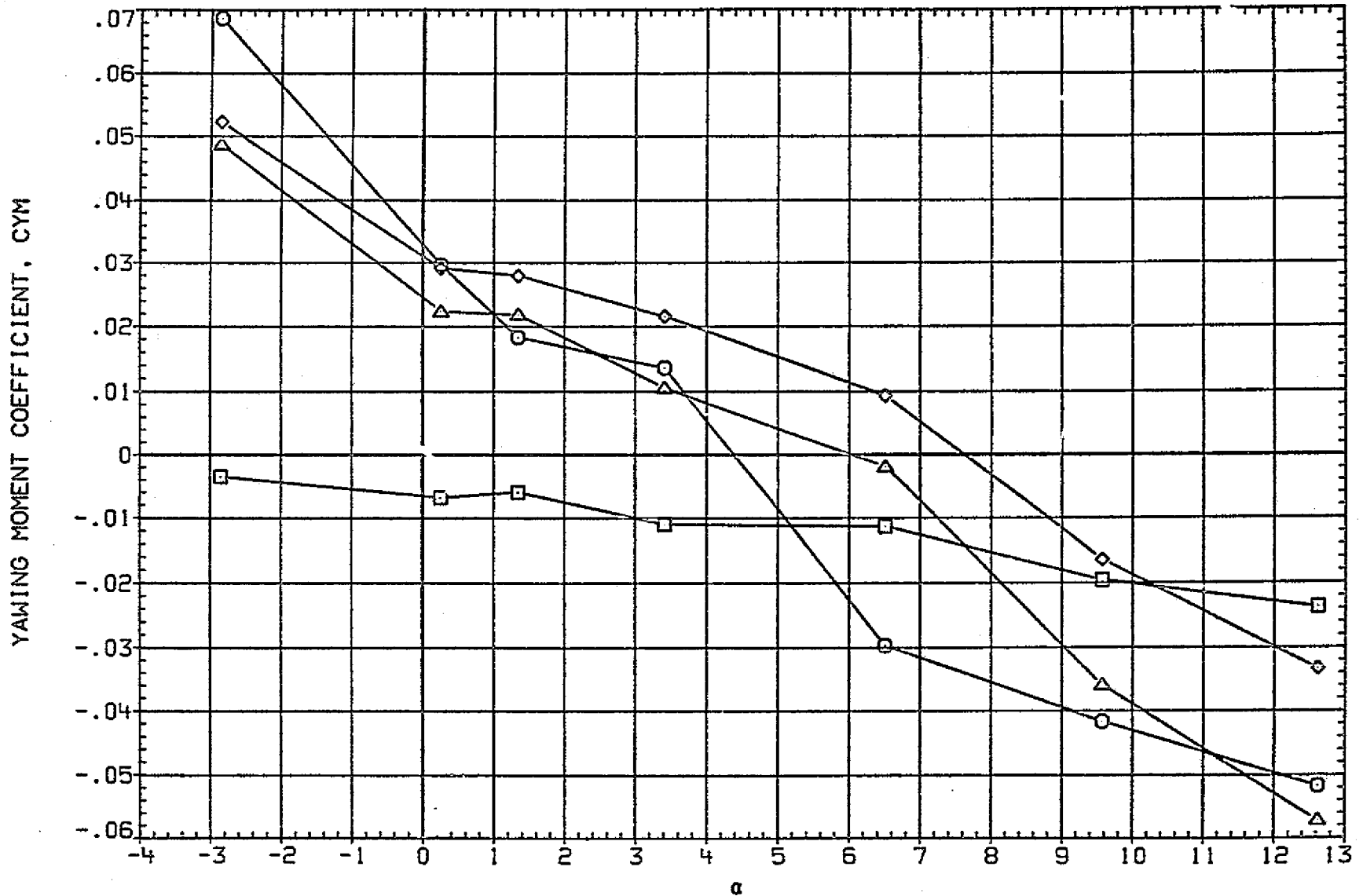


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CYM | MACH | 1.930 | BETA | .000 |
| □ | CYMC | D1 | .000 | D3 | .000 |
| ◇ | CYMT | D2 | 1.000 | D4 | 1.000 |
| △ | CYMB | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

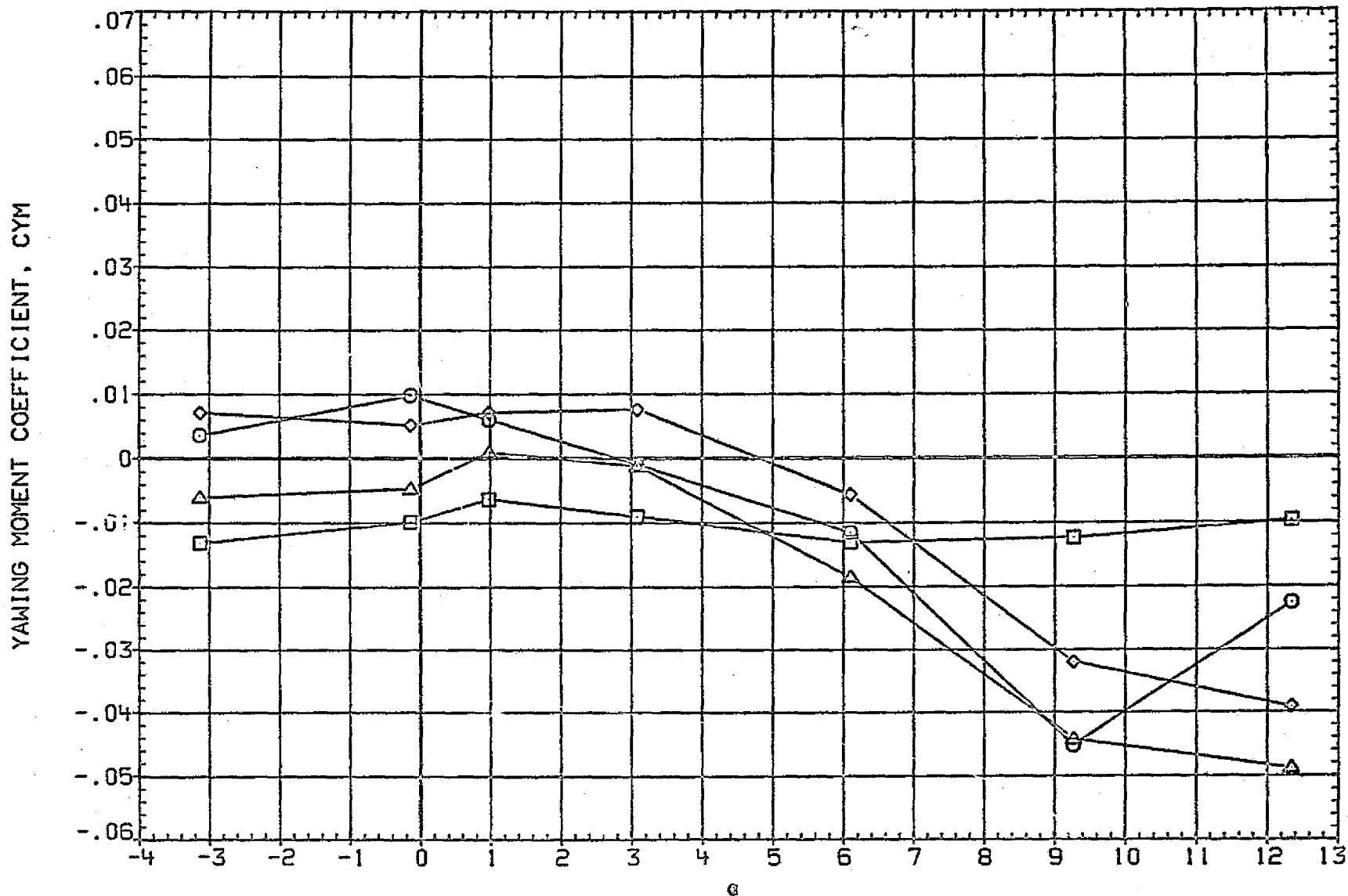


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|-------|-------|
| ◇ | CRM | MACH | 1.500 | BETA | .000 |
| ◇ | CRM C | D1 | .000 | D3 | .000 |
| ◇ | CRM T | D2 | 1.000 | D4 | 1.000 |
| △ | CRM B | D1-3 | .000 | D2-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

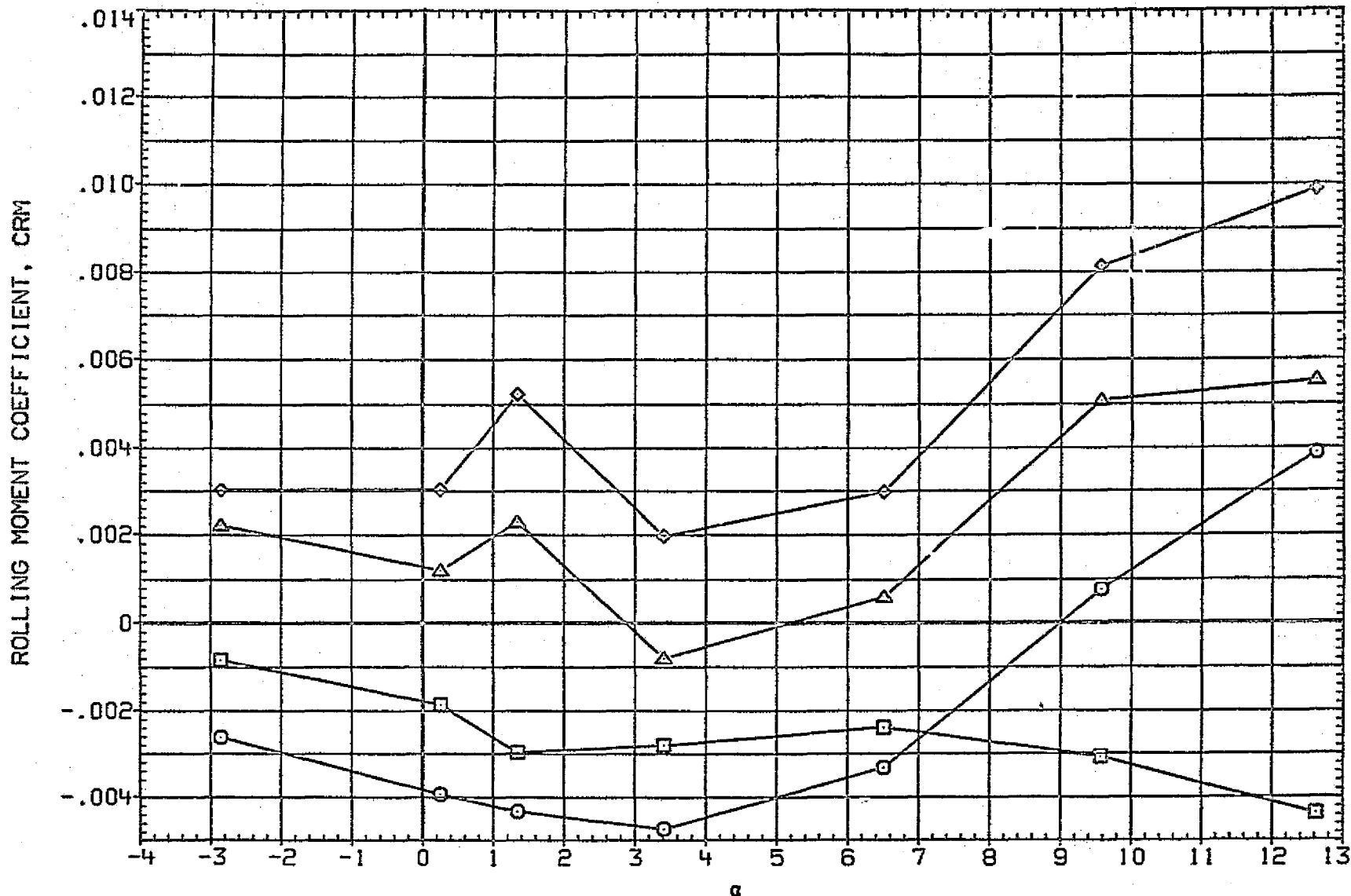


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ227) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|-------|-------|
| ○ | CRM | MACH | 1.990 | BETA | .000 |
| □ | CRM/C | D1 | .000 | 03 | .000 |
| ◇ | CRM/T | D2 | 1.000 | 04 | 1.000 |
| △ | CRM/B | D1-3 | .000 | 02-4 | 1.000 |
| | | PHI-C | .000 | PHI-T | .000 |

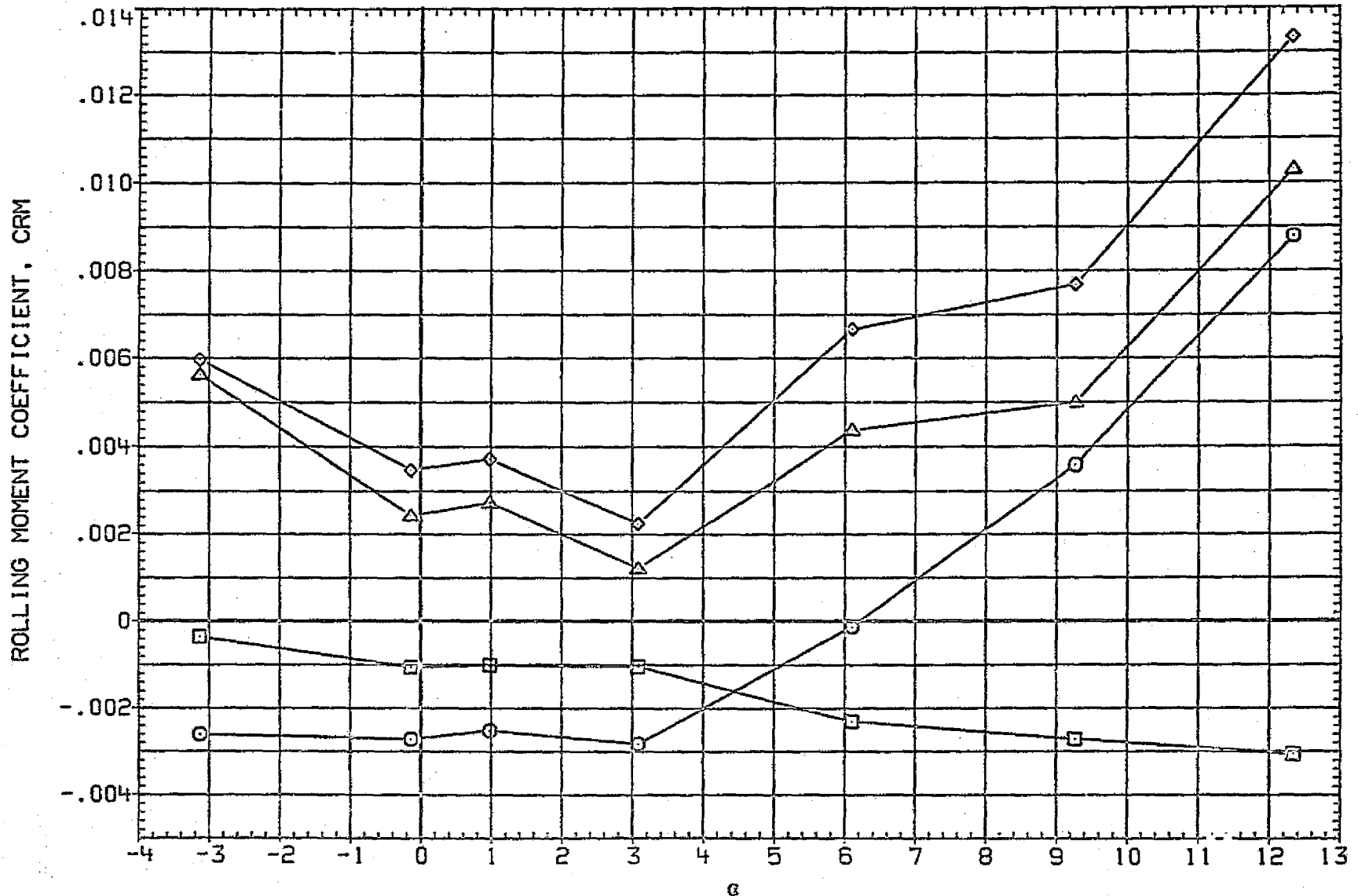


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| □ | CN | MACH | 1.498 | BETA | .000 |
| ◇ | CNC | D1 | .000 | D3 | .000 |
| △ | CNT | D2 | 3.000 | D4 | 3.000 |
| ○ | CNB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

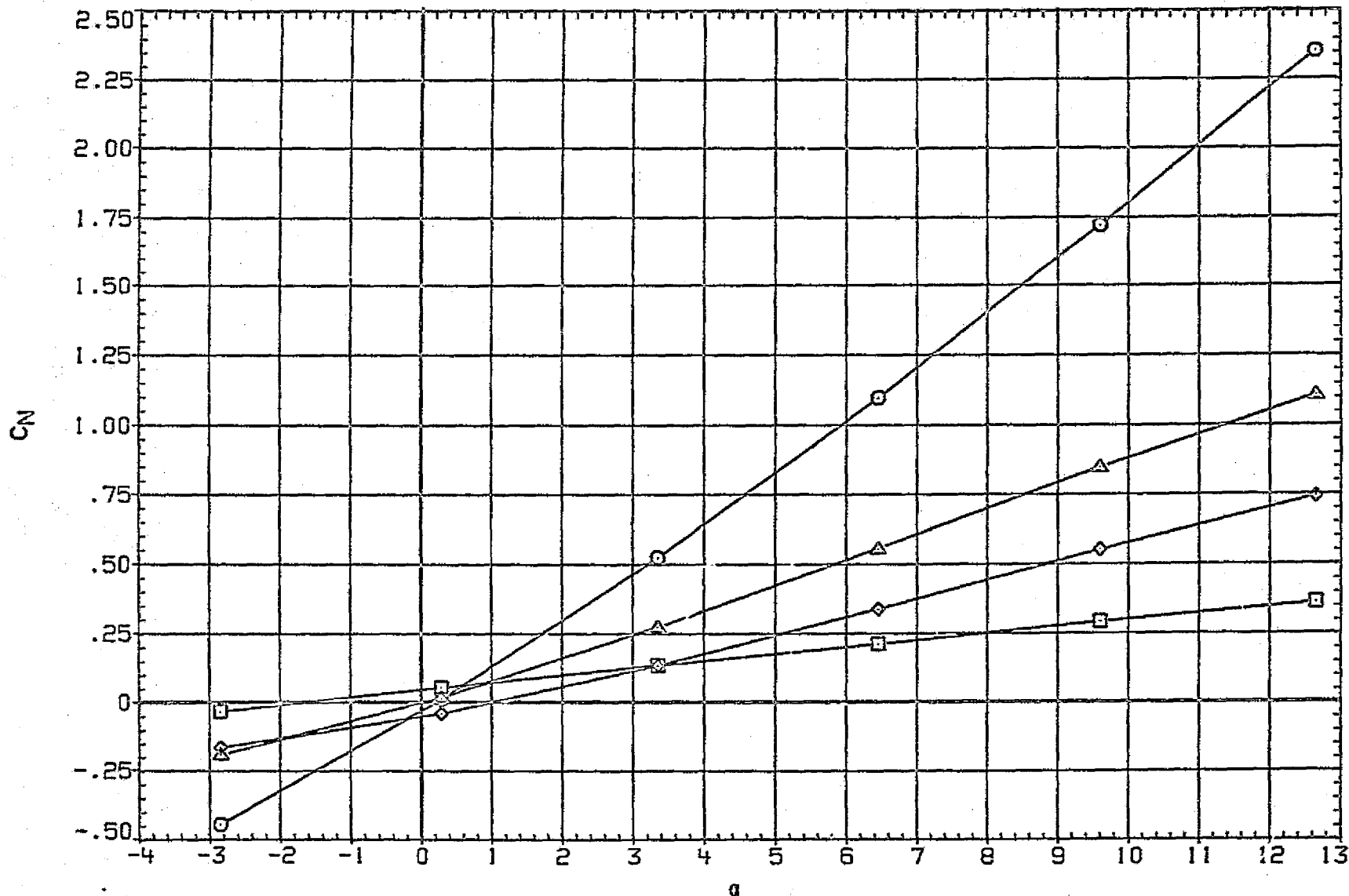


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CN | MACH | 1.998 | BETA | .000 |
| ◇ | CNC | D1 | .000 | D3 | .000 |
| □ | CNT | D2 | 3.000 | D4 | 3.000 |
| △ | CN8 | D1-3 | .000 | D2-4 | 4.000 |
| | | PHI-C | .000 | PHI-T | .000 |

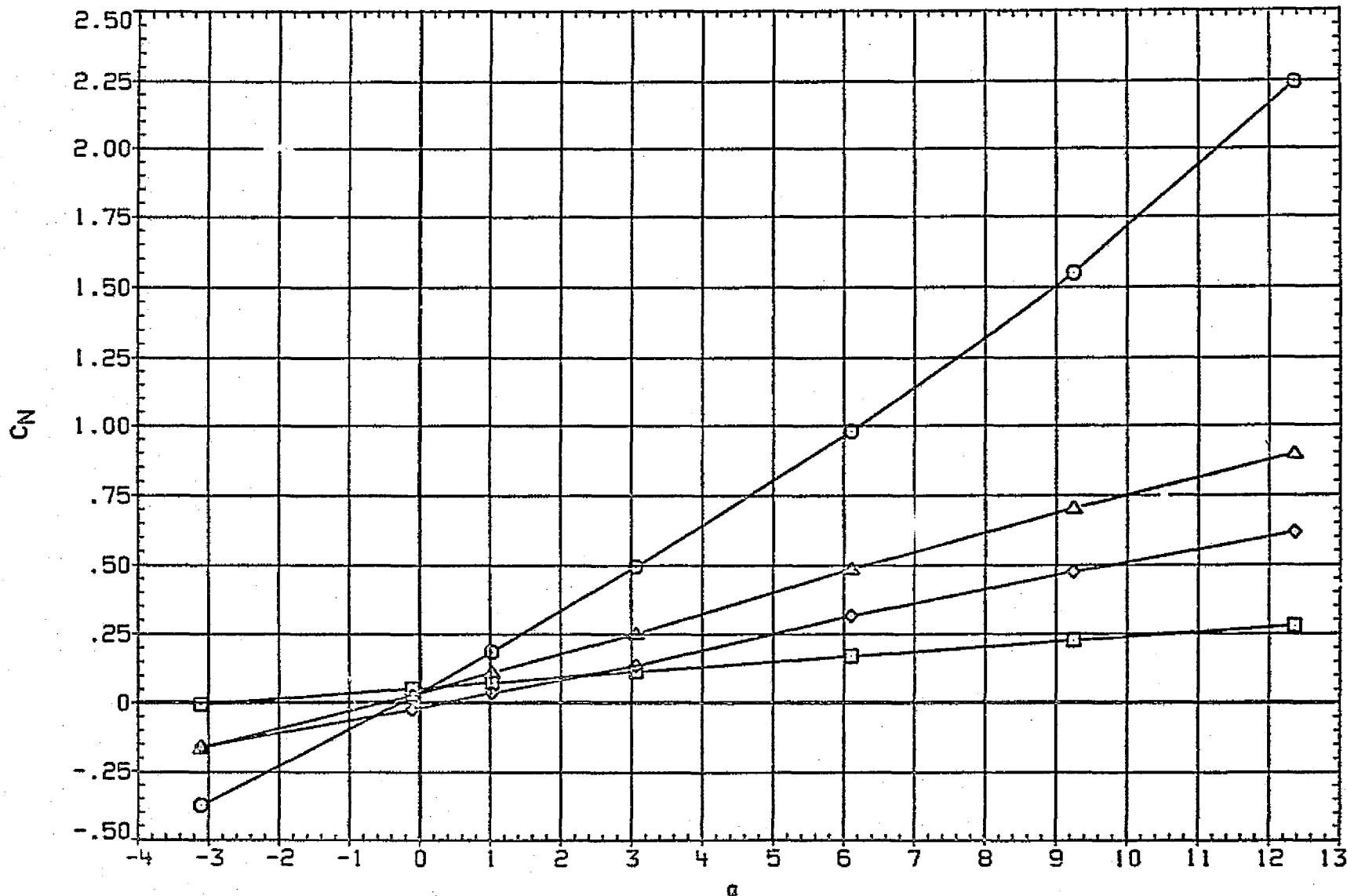


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CM | MACH | 1.499 | ETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| ◇ | CMT | D2 | 3.000 | D4 | 3.000 |
| △ | CMZ | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

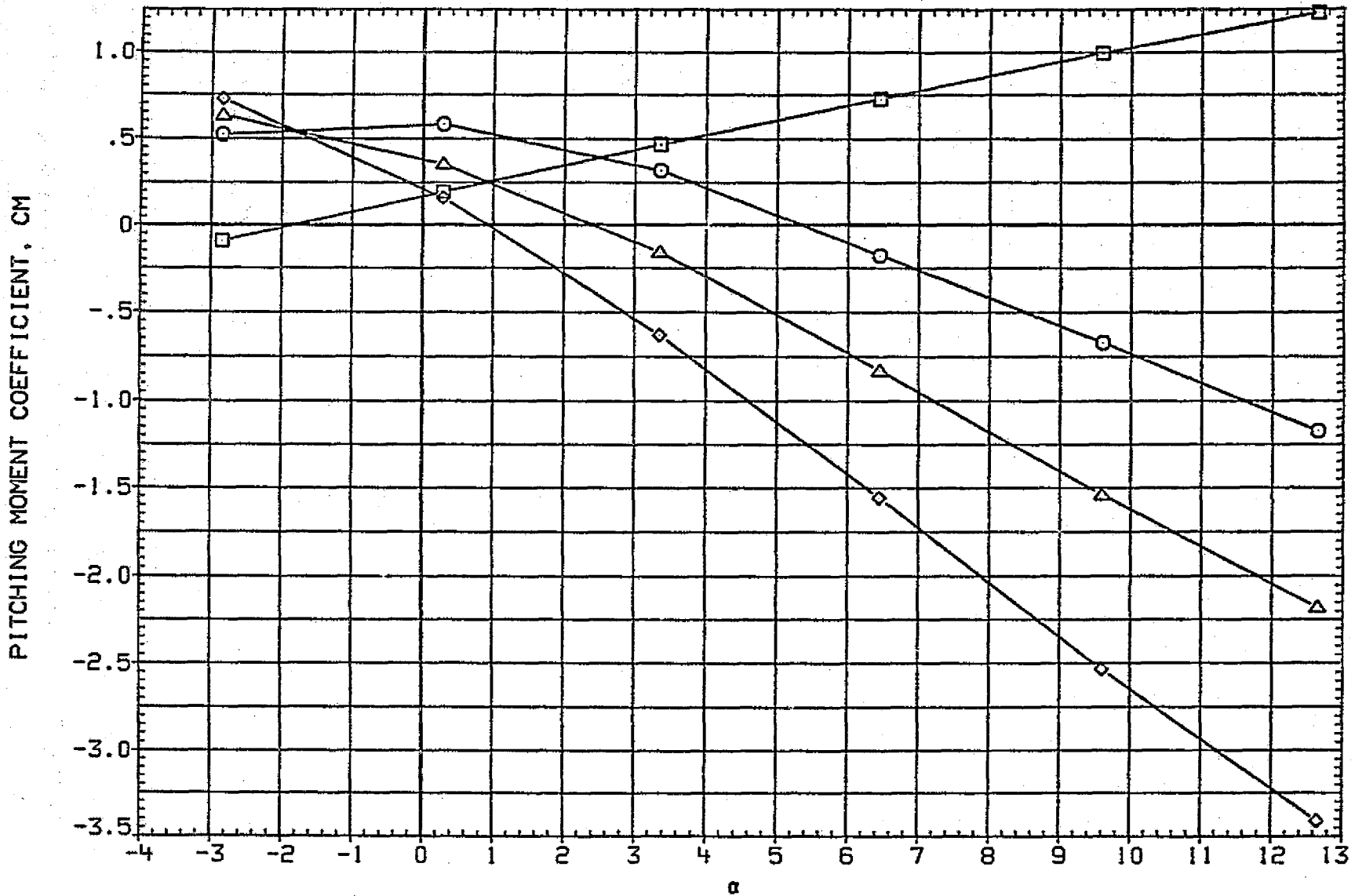


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ228) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CM | MACH | 1.998 | BETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| ◇ | CHT | D2 | 3.000 | D4 | 3.000 |
| △ | CMB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

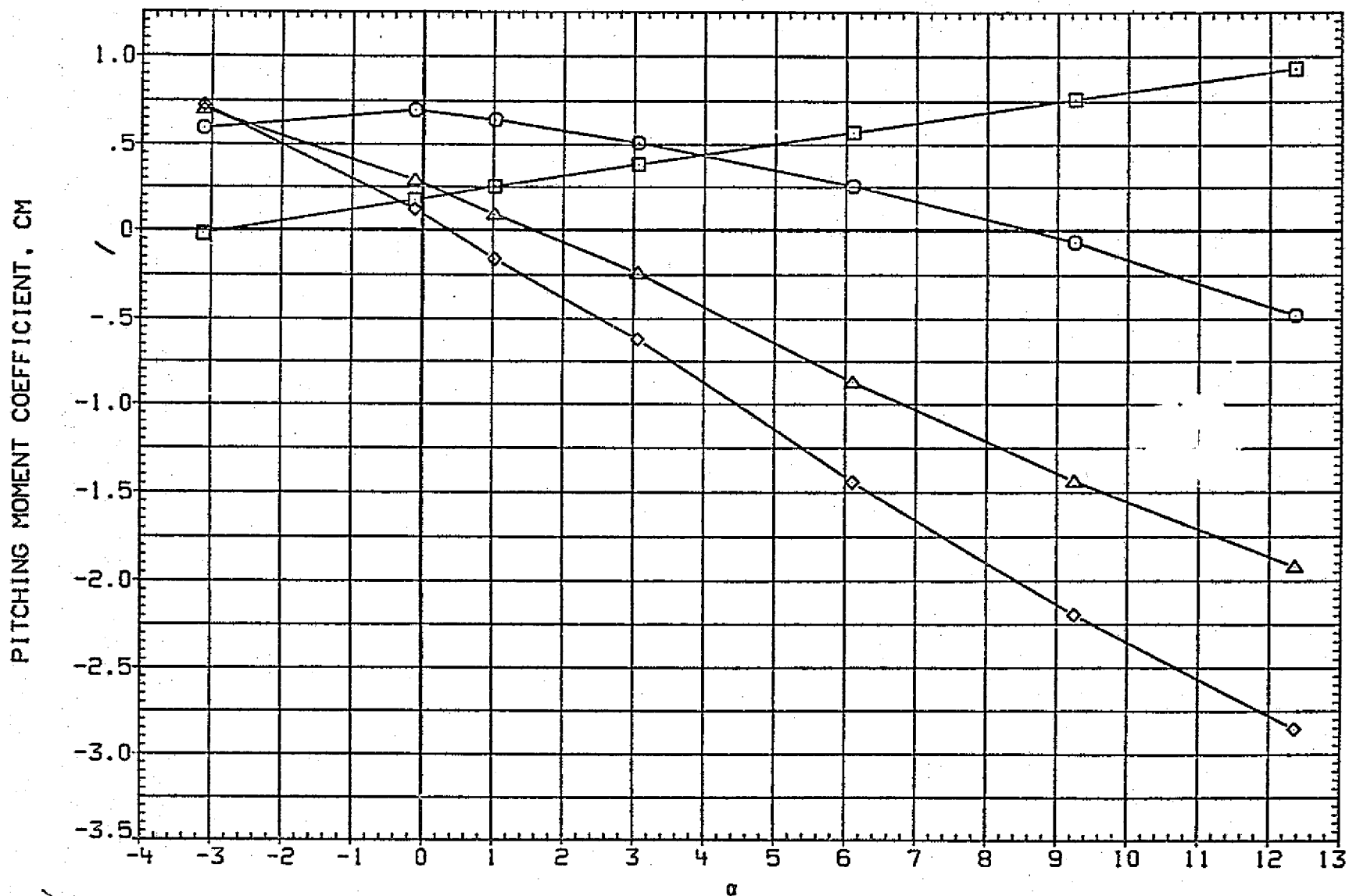


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CA | MACH | 1.498 | EETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

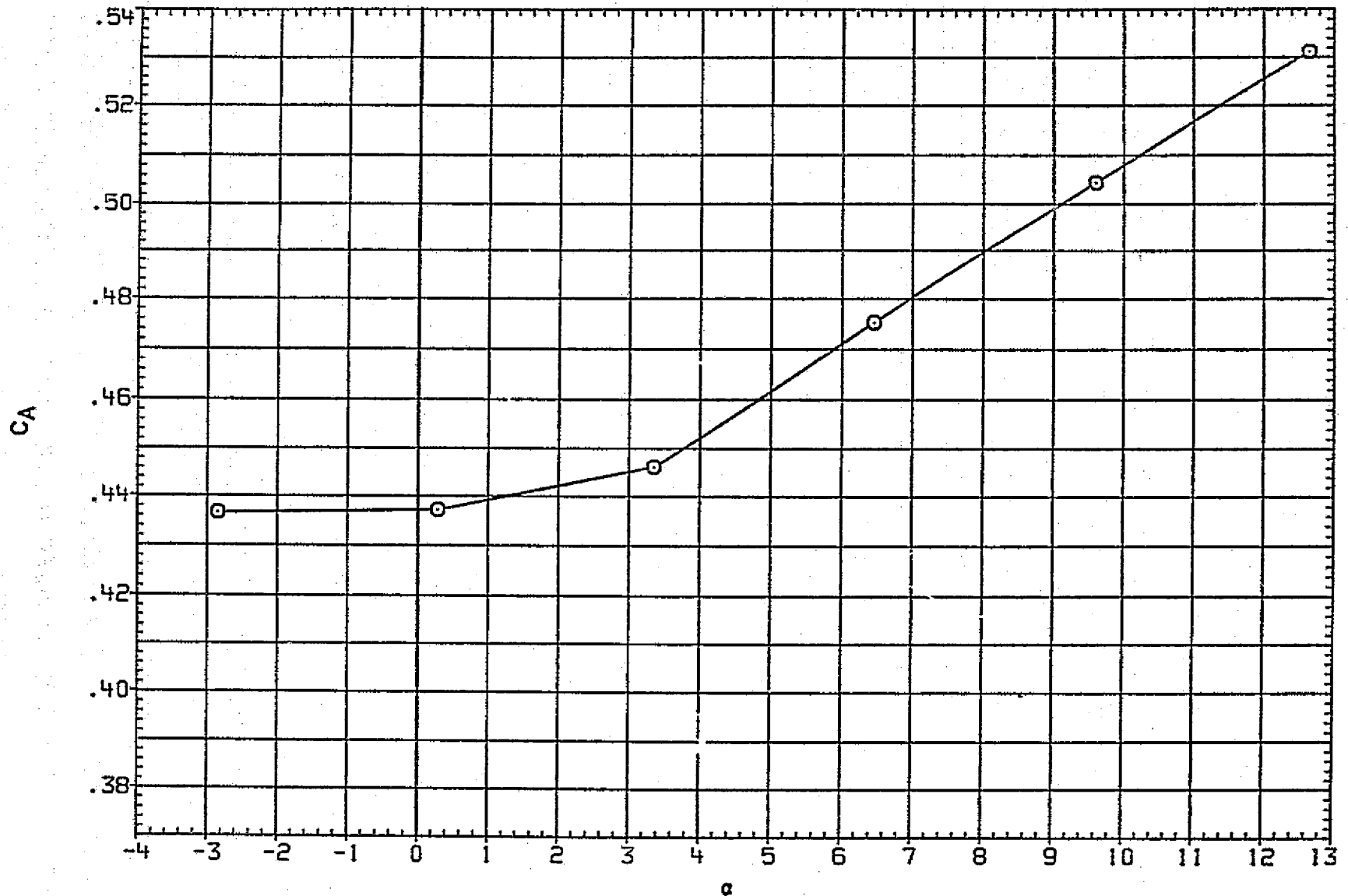


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ228) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| O | CA | MACH | 1.998 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

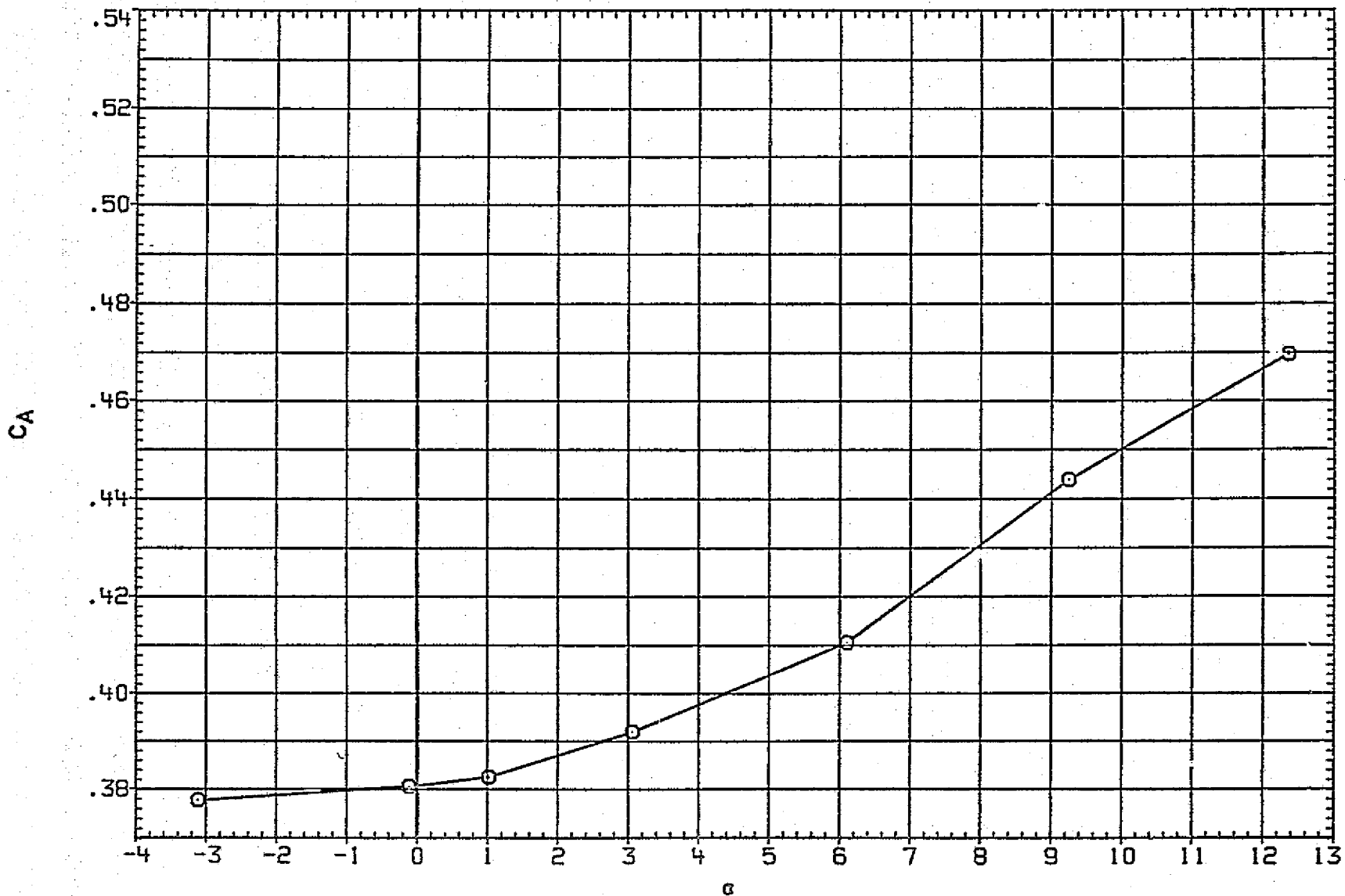


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ228)

CONFIGURATION 13 (BNIC4T1)

SYMBOL DATA

PARAMETRIC VALUES

| | | | | | |
|---|-----|-------|-------|-------|-------|
| ◇ | CY | MACH | 1.498 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ○ | CYT | D2 | 3.000 | D4 | 3.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

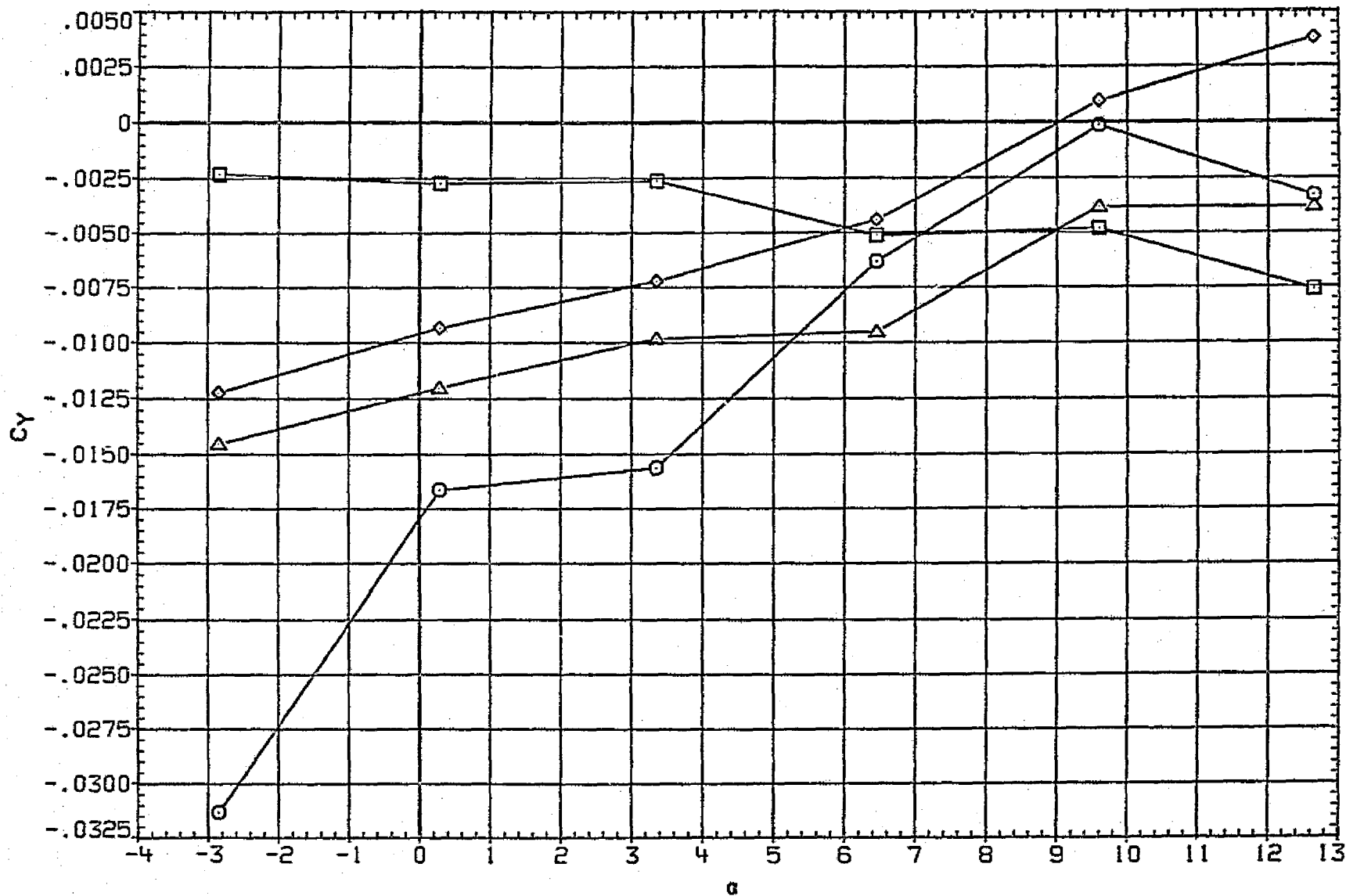


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CY | MACH | 1.999 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ◇ | CYT | D2 | 3.000 | D4 | 3.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

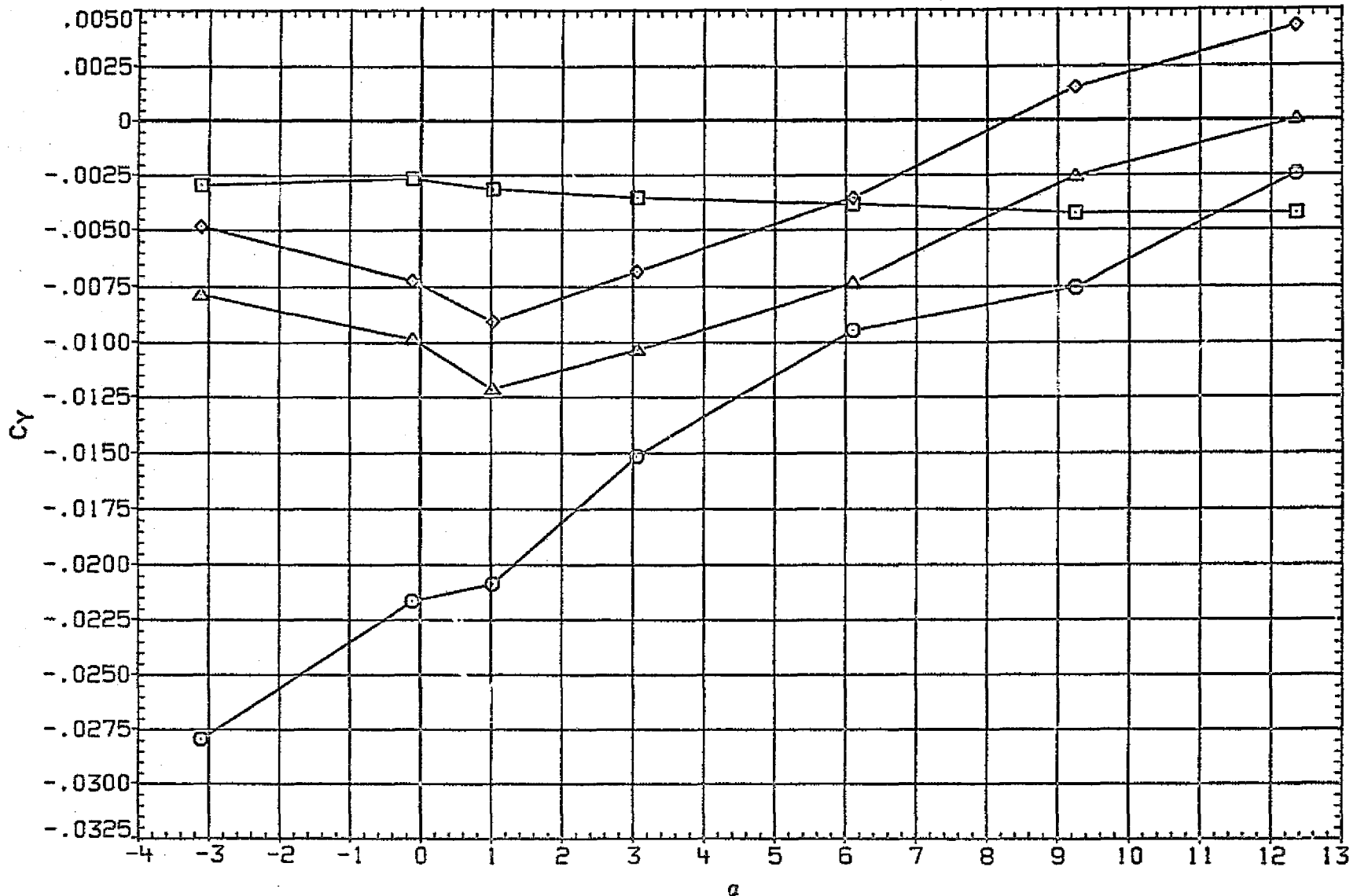


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ228) CONFIGURATION 13 (BNICWT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| □ | CYM | MACH | 1.459 | BETA | .000 |
| ◇ | CYMC | 01 | .000 | 03 | .000 |
| △ | CYMT | 02 | 3.000 | 04 | 3.000 |
| | CYMB | 01-3 | .000 | 02-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

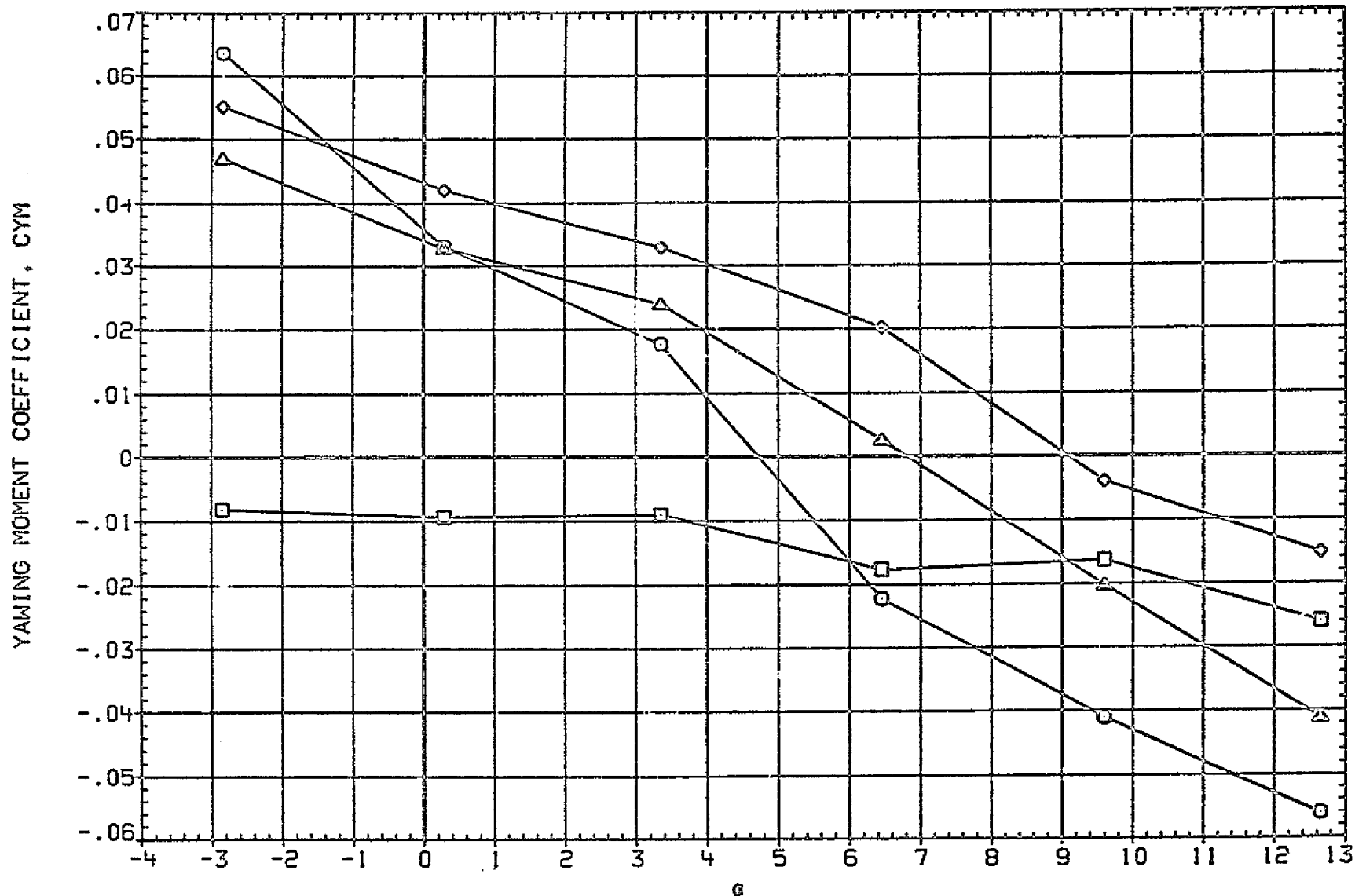


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ◇ | CYM | MACH | 1.998 | BETA | .000 |
| △ | CYMC | D1 | .000 | D3 | .000 |
| ○ | CYMT | D2 | 3.000 | D4 | 3.000 |
| □ | CYMB | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

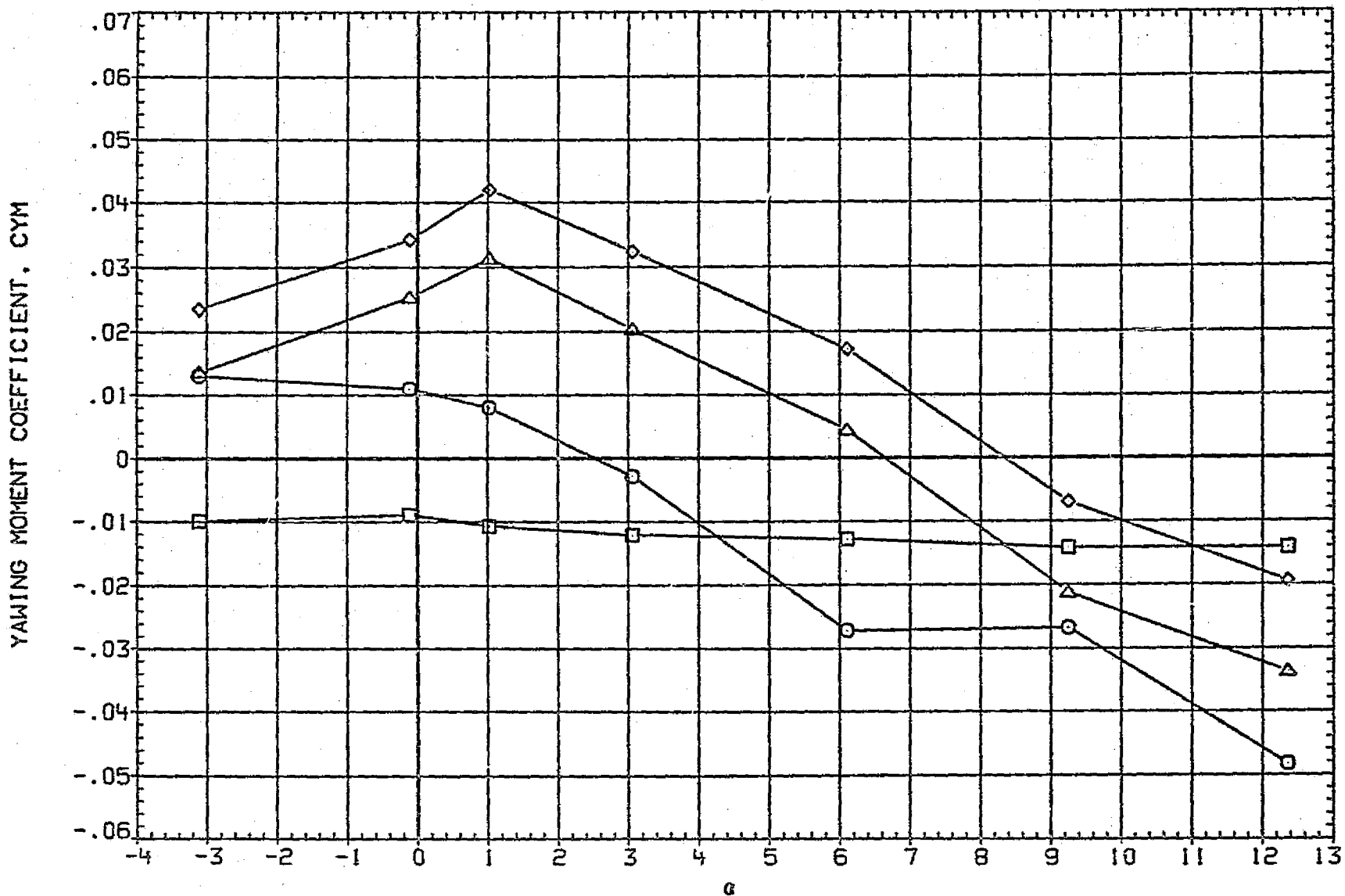


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ◇ | CRM | MACH | 1.488 | BETA | .000 |
| ○ | CRM | D1 | .000 | D3 | .000 |
| ◇ | CRM | D2 | 3.000 | D4 | 3.000 |
| △ | CRM | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

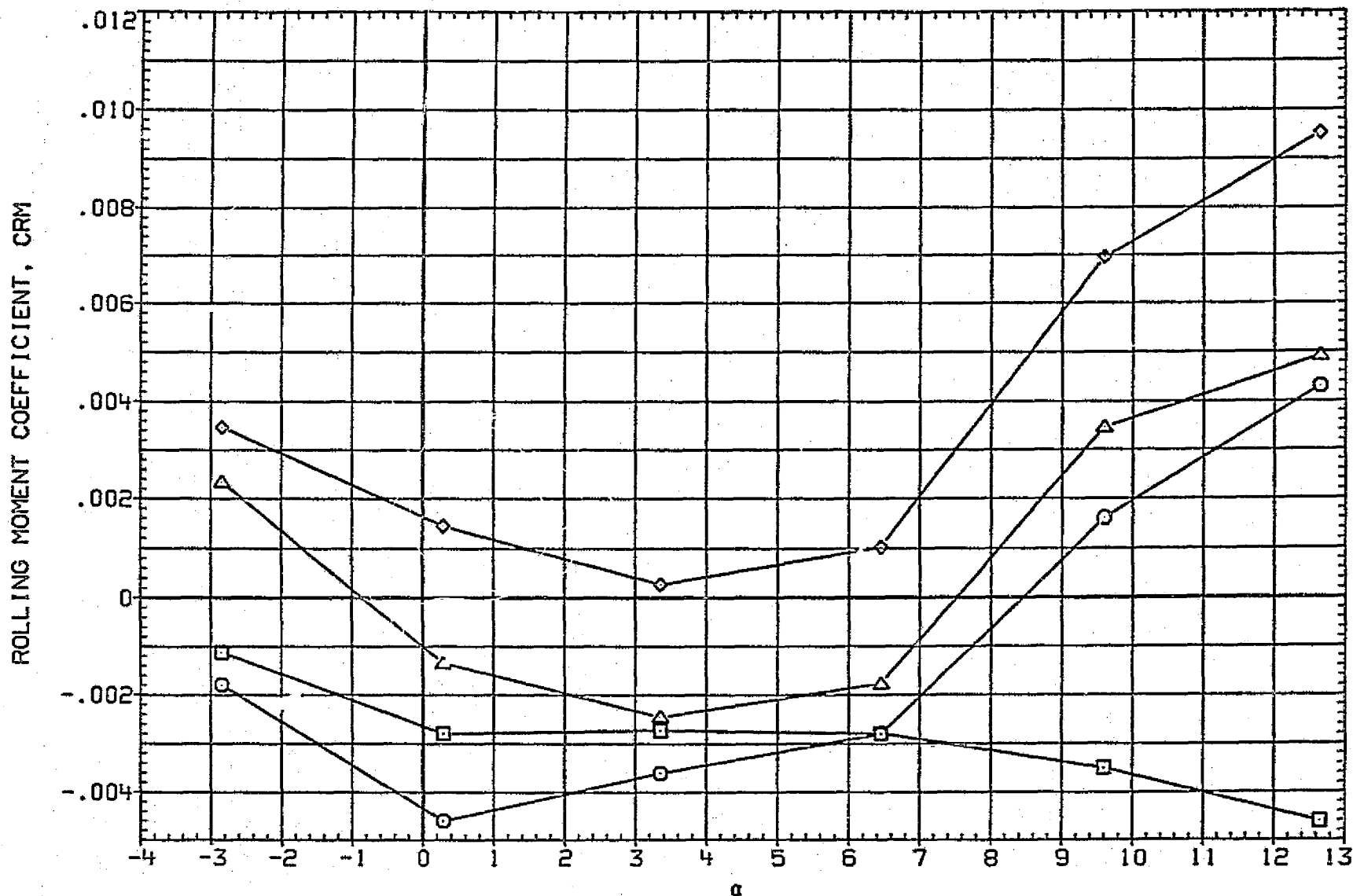


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ228) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|-------|-------|
| ◇ | CRM | MACH | 1.998 | BETA | .000 |
| ○ | CRM/C | D1 | .000 | D3 | .000 |
| △ | CRM/T | D2 | 3.000 | D4 | 3.000 |
| □ | CRM/B | D1-3 | .000 | D2-4 | 3.000 |
| | | PHI-C | .000 | PHI-T | .000 |

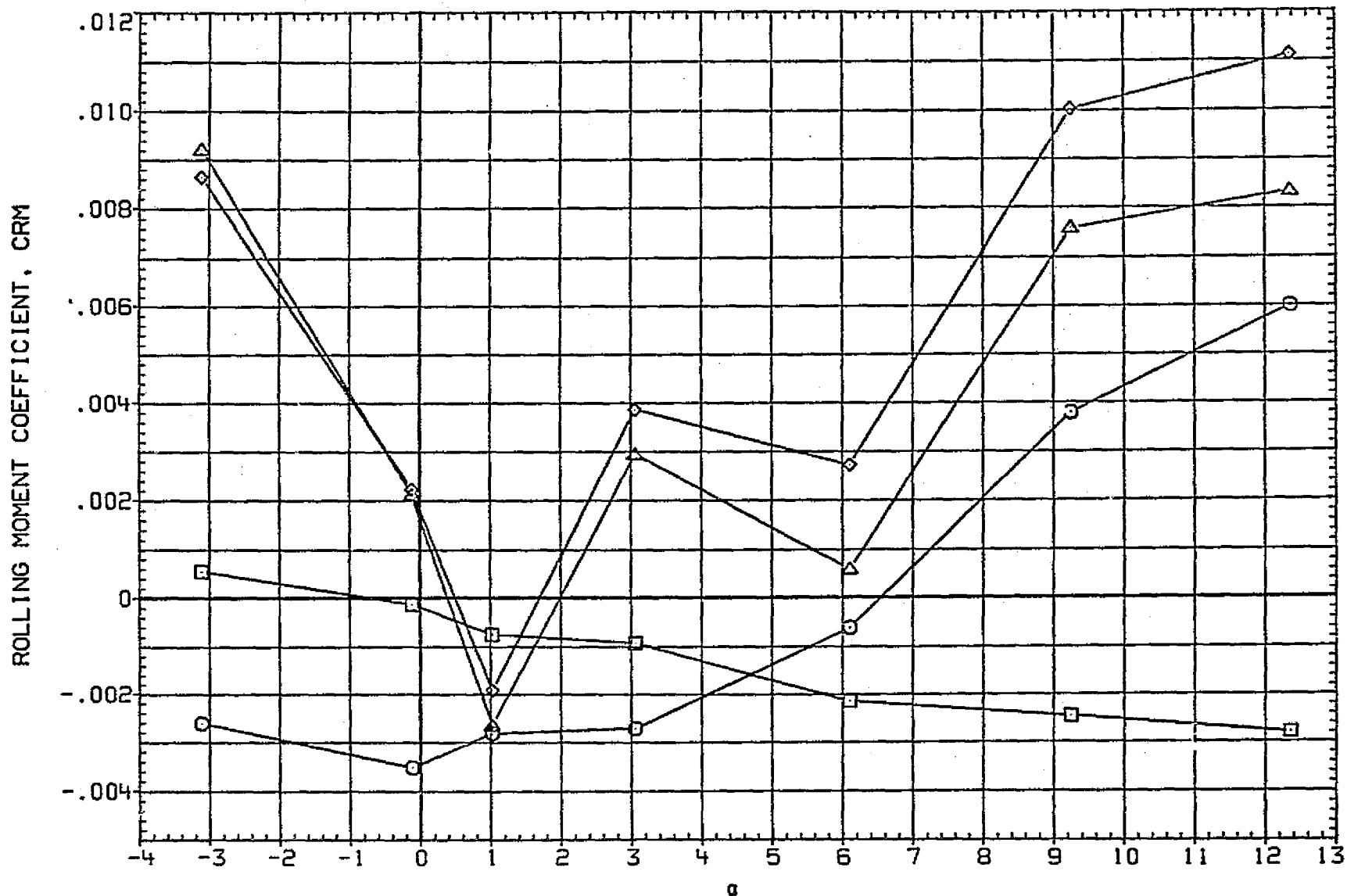


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CN | MACH | 1.499 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | 6.000 | D4 | 6.000 |
| △ | CNB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

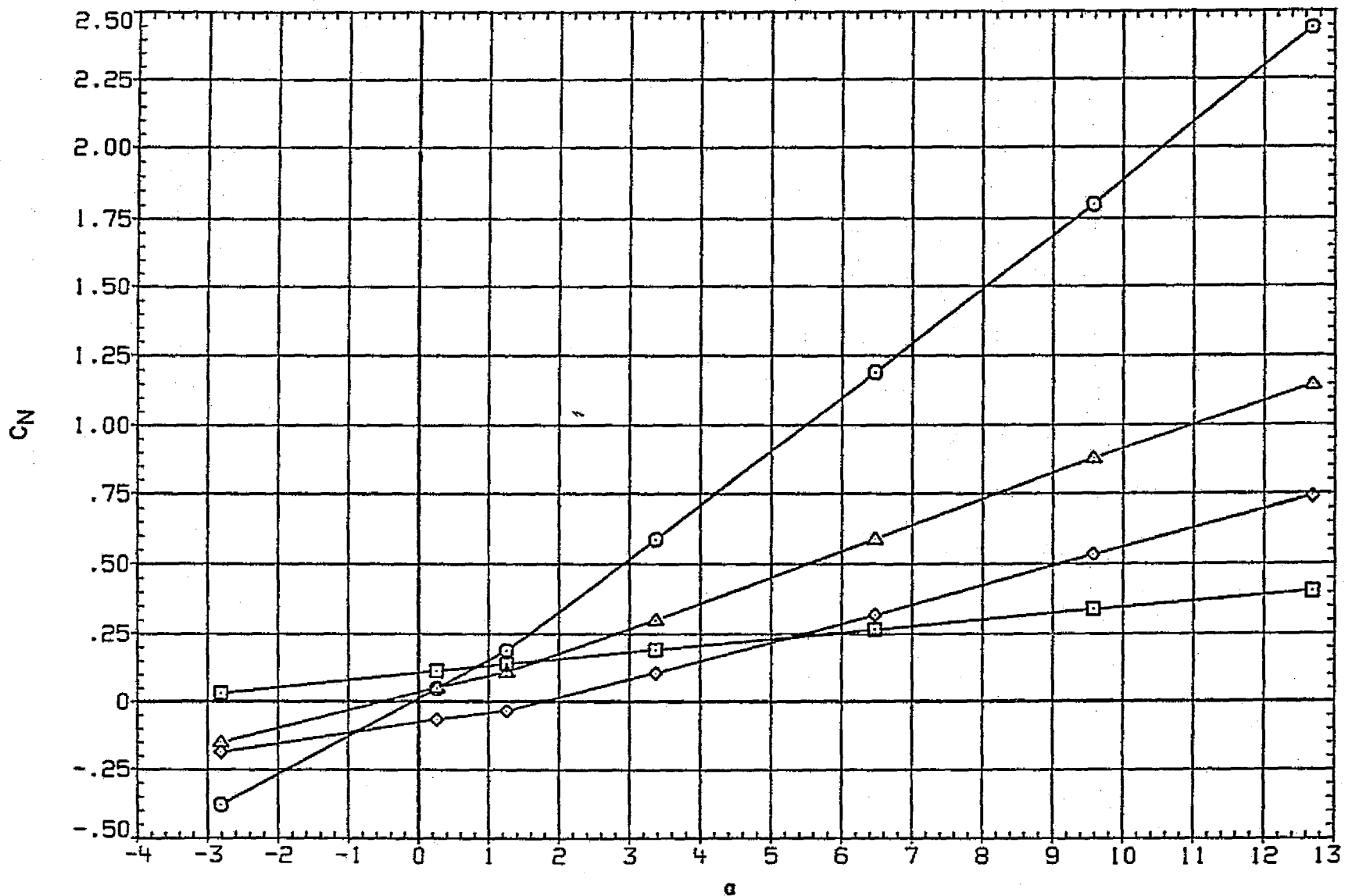


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ229) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CN | MACH | 1.996 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | 6.000 | D4 | 6.000 |
| △ | CNB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

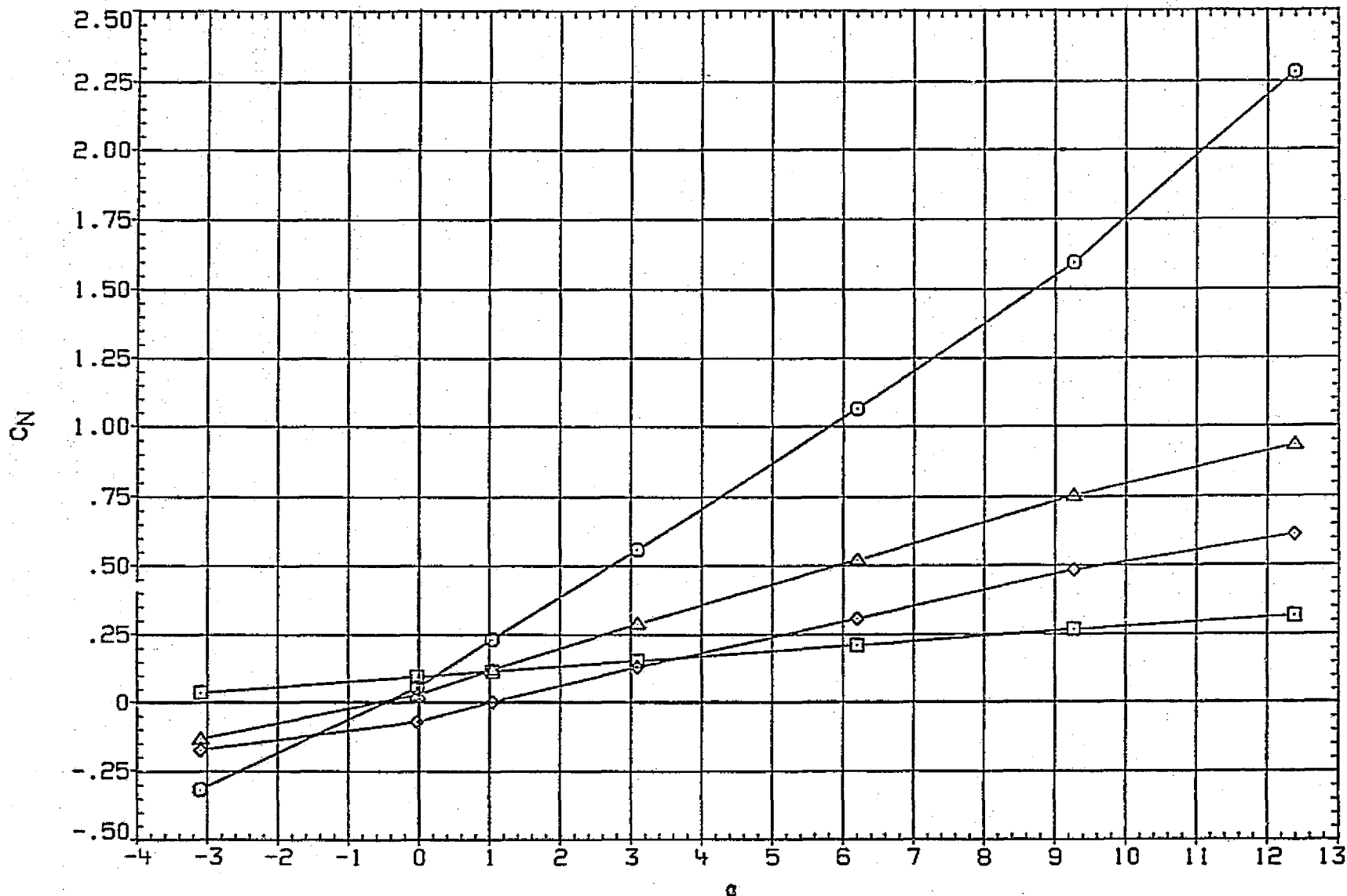


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CM | MACH | 1.499 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CMT | D2 | 6.000 | D4 | 6.000 |
| △ | CMB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

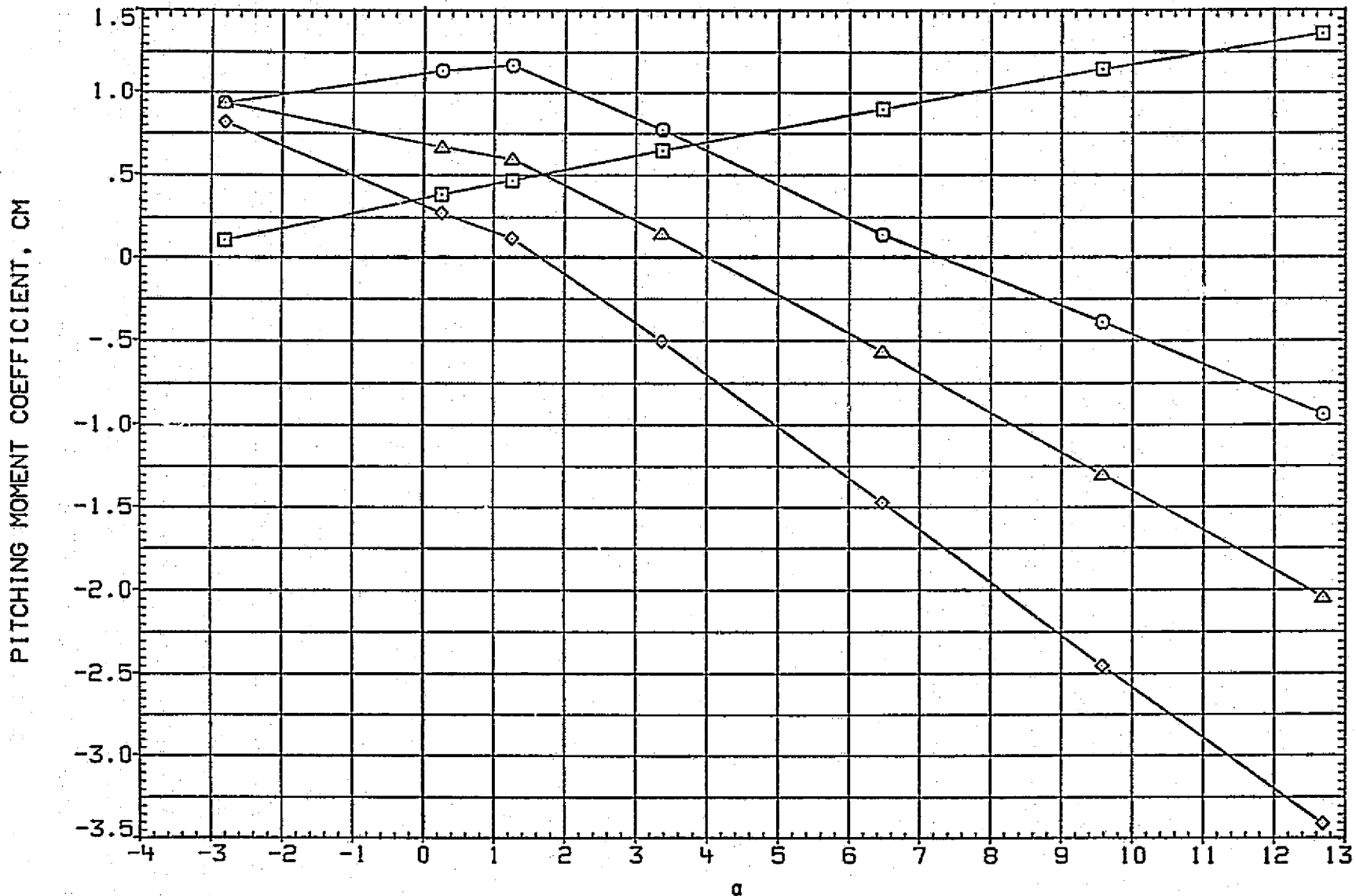


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ229) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CM | MACH | 1.995 | BETA | .000 |
| ◇ | CMC | D1 | .000 | D3 | .000 |
| □ | CHT | D2 | 6.000 | D4 | 6.000 |
| △ | CM8 | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

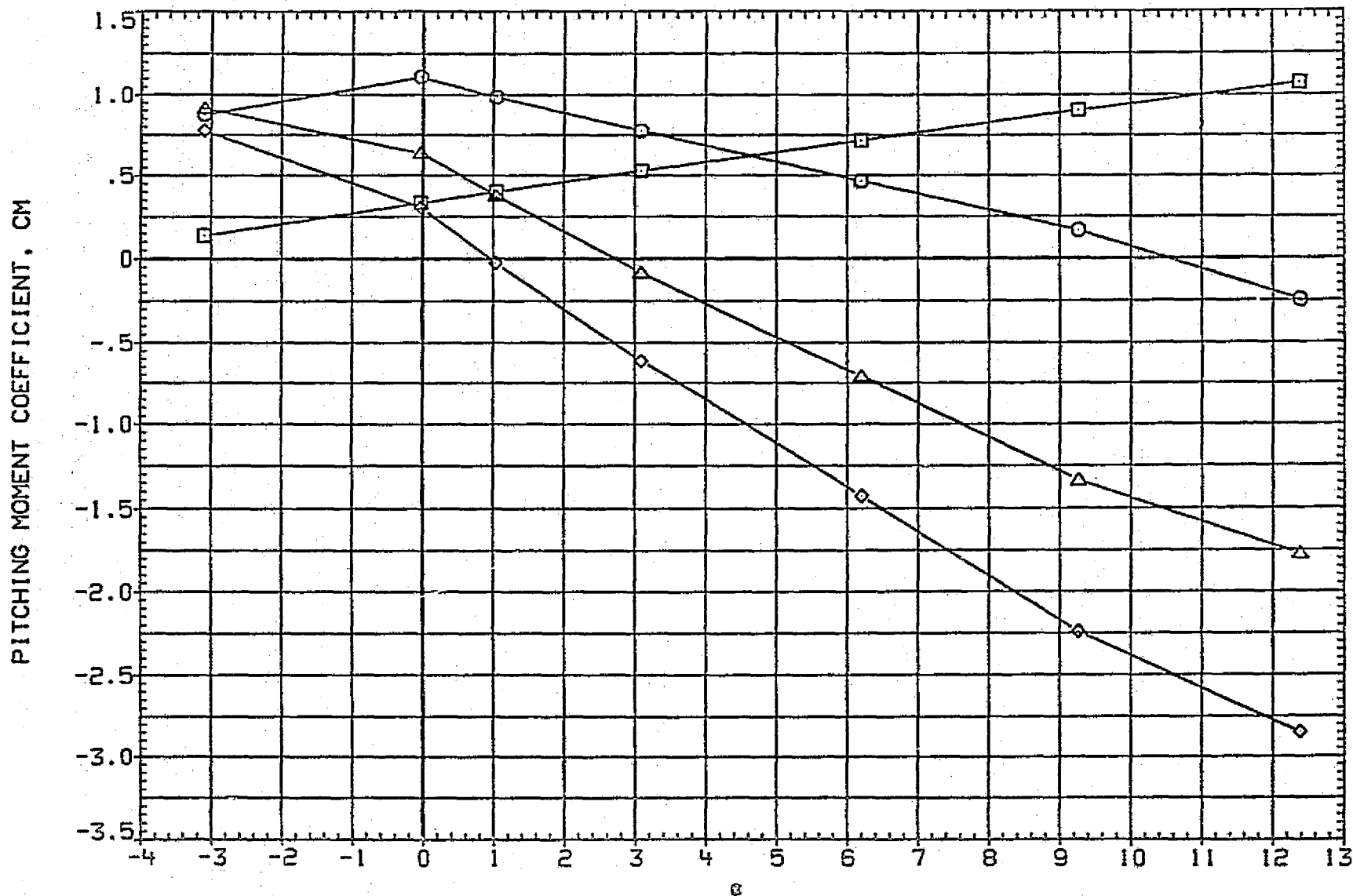


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0E2229)

CONFIGURATION 13 (BNIC4T1)

SYMBOL DATA

PARAMETRIC VALUES

| | | | | | |
|---|----|-------|-------|-------|-------|
| O | CA | MACH | 1.499 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 6.000 | D4 | 6.000 |
| | | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

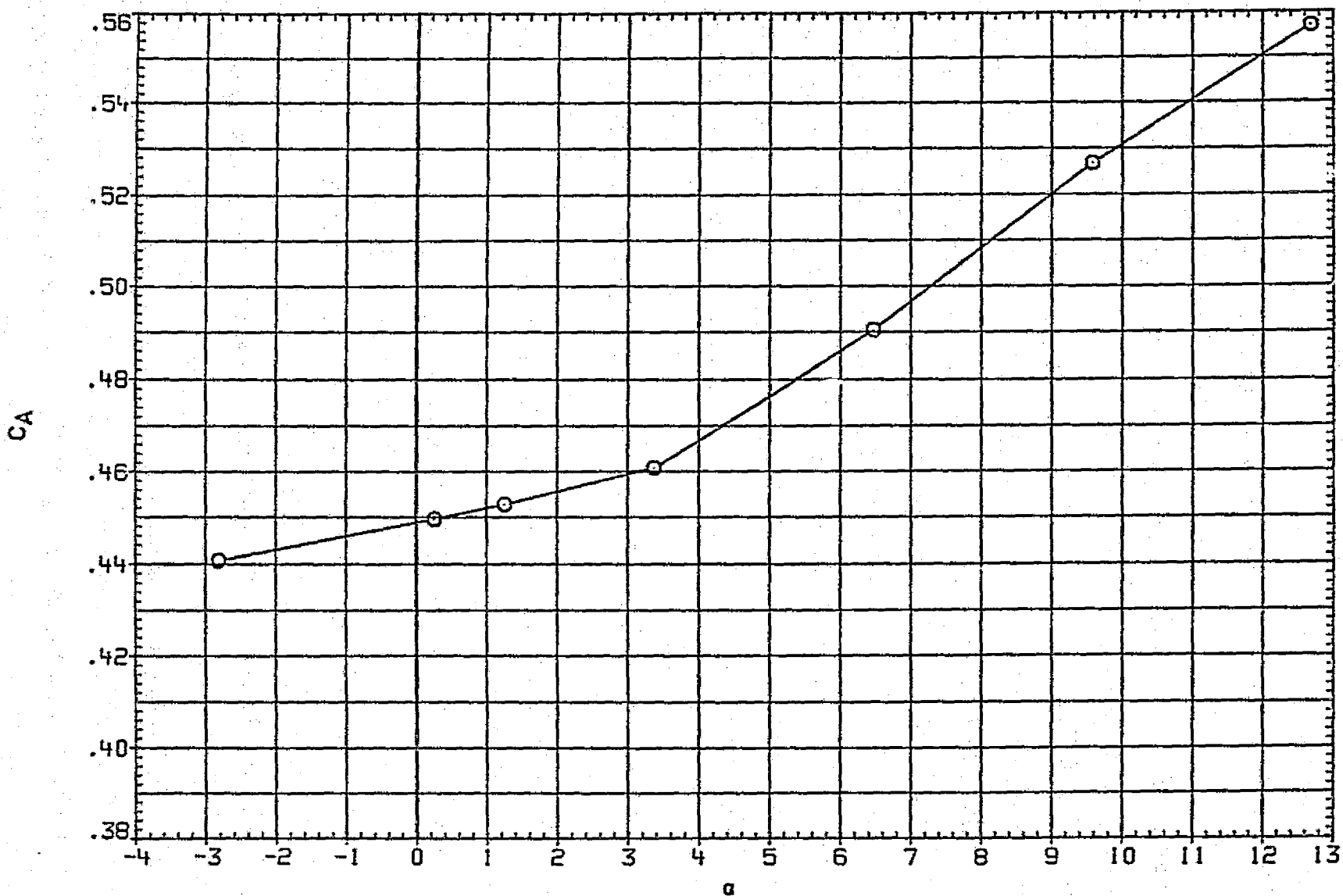


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| O | CA | MACH | 1.996 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 6.000 | D4 | 6.000 |
| | | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

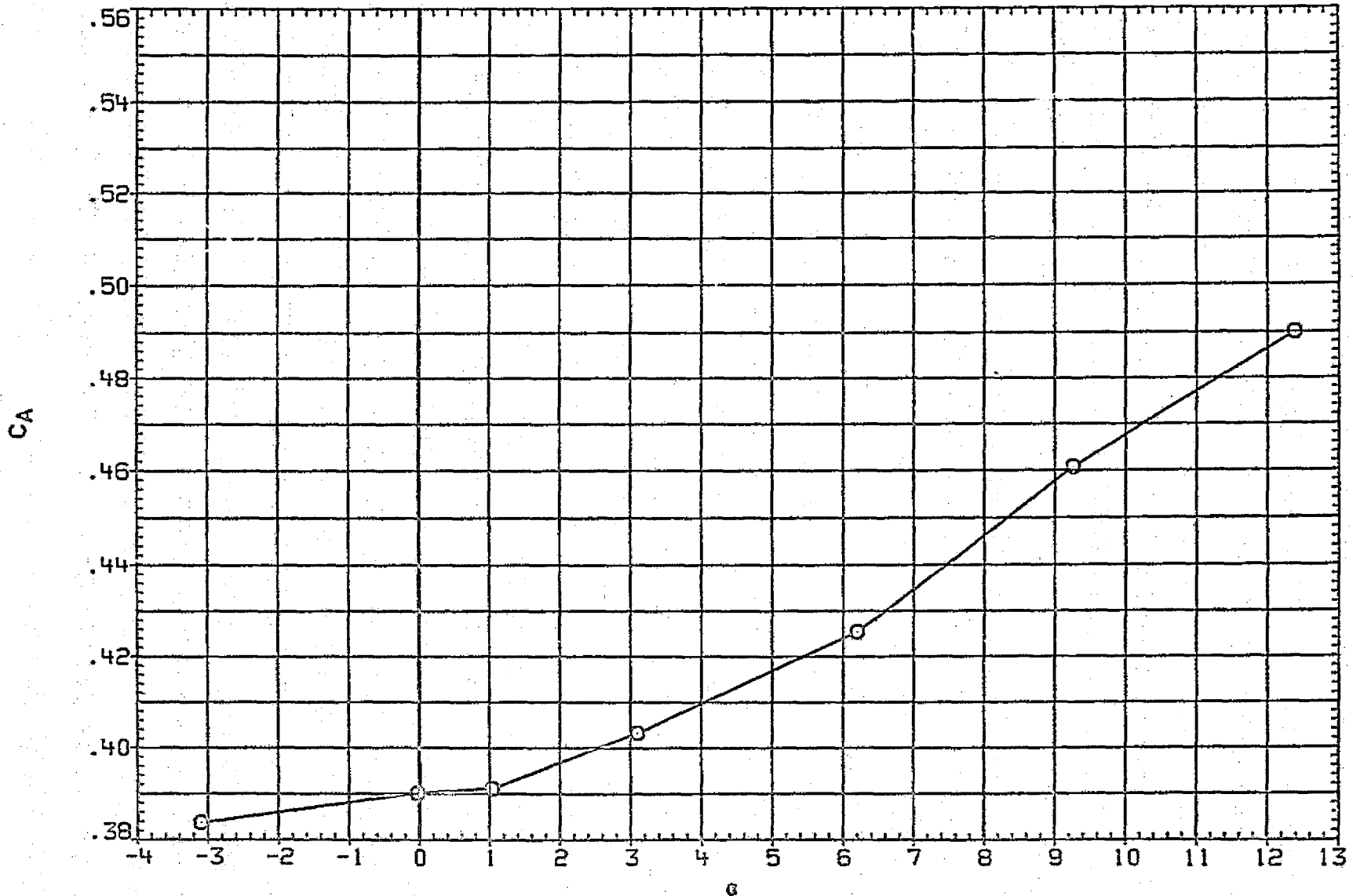


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CY | MACH | 1.499 | ETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| △ | CYT | D2 | 6.000 | D4 | 6.000 |
| ◇ | CYB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

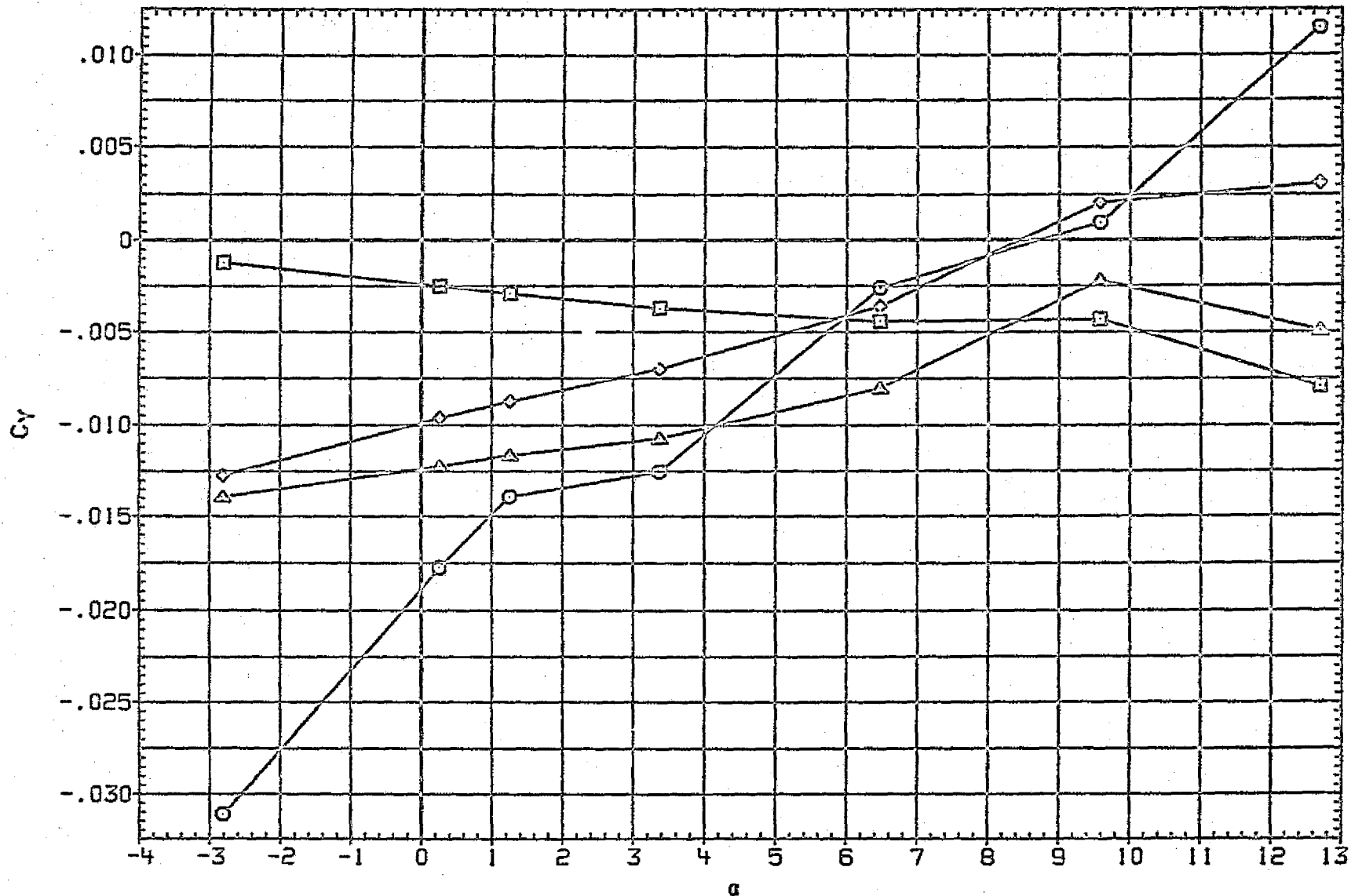


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CY | MACH | 1.995 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ◇ | CYT | D2 | 6.000 | D4 | 6.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

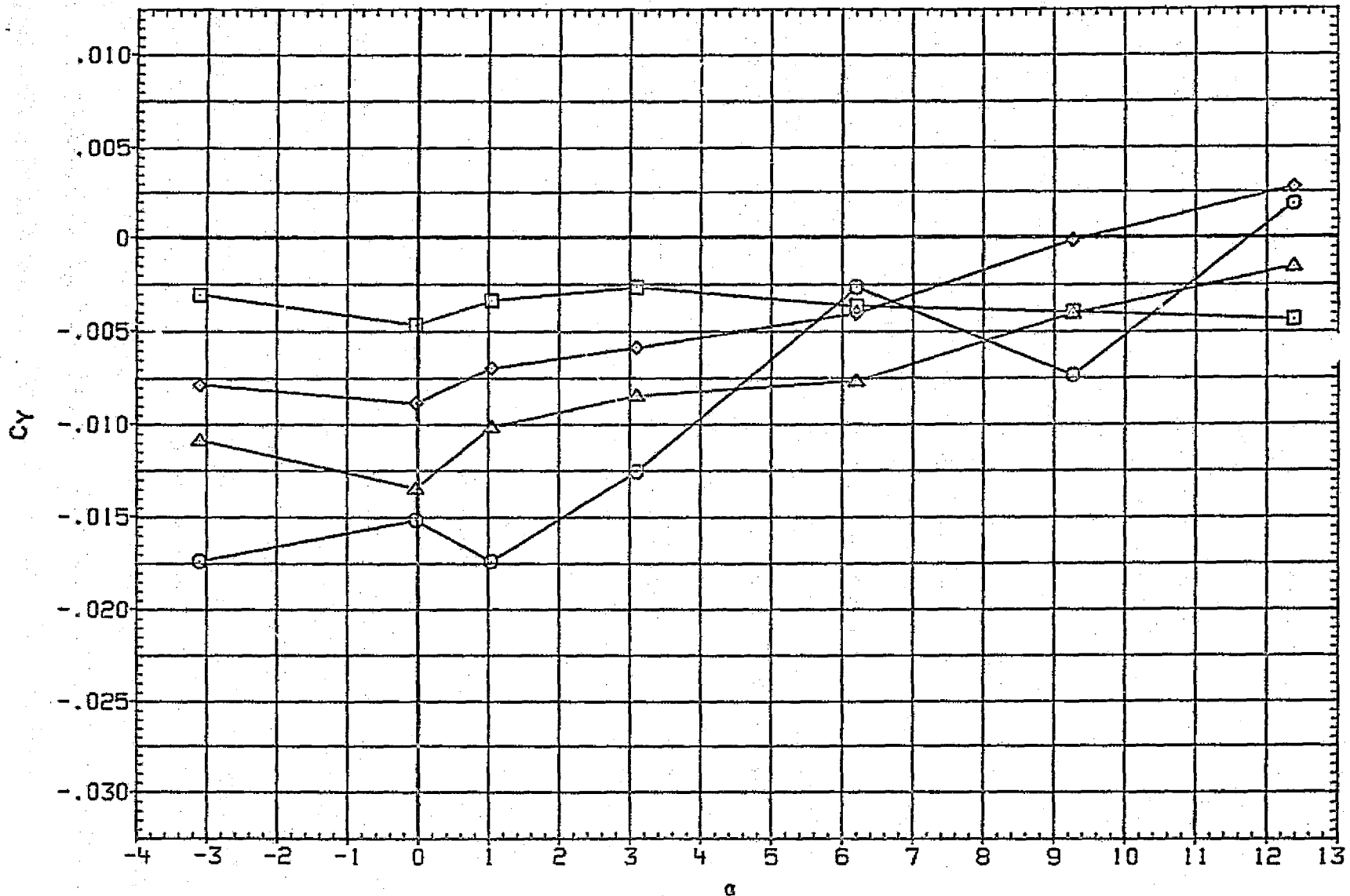


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ229)

CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CYH | MACH | 1.453 | BETA | .000 |
| ◇ | CYHC | D1 | .000 | D3 | .000 |
| □ | CYMT | D2 | 6.000 | D4 | 6.000 |
| △ | CYMB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

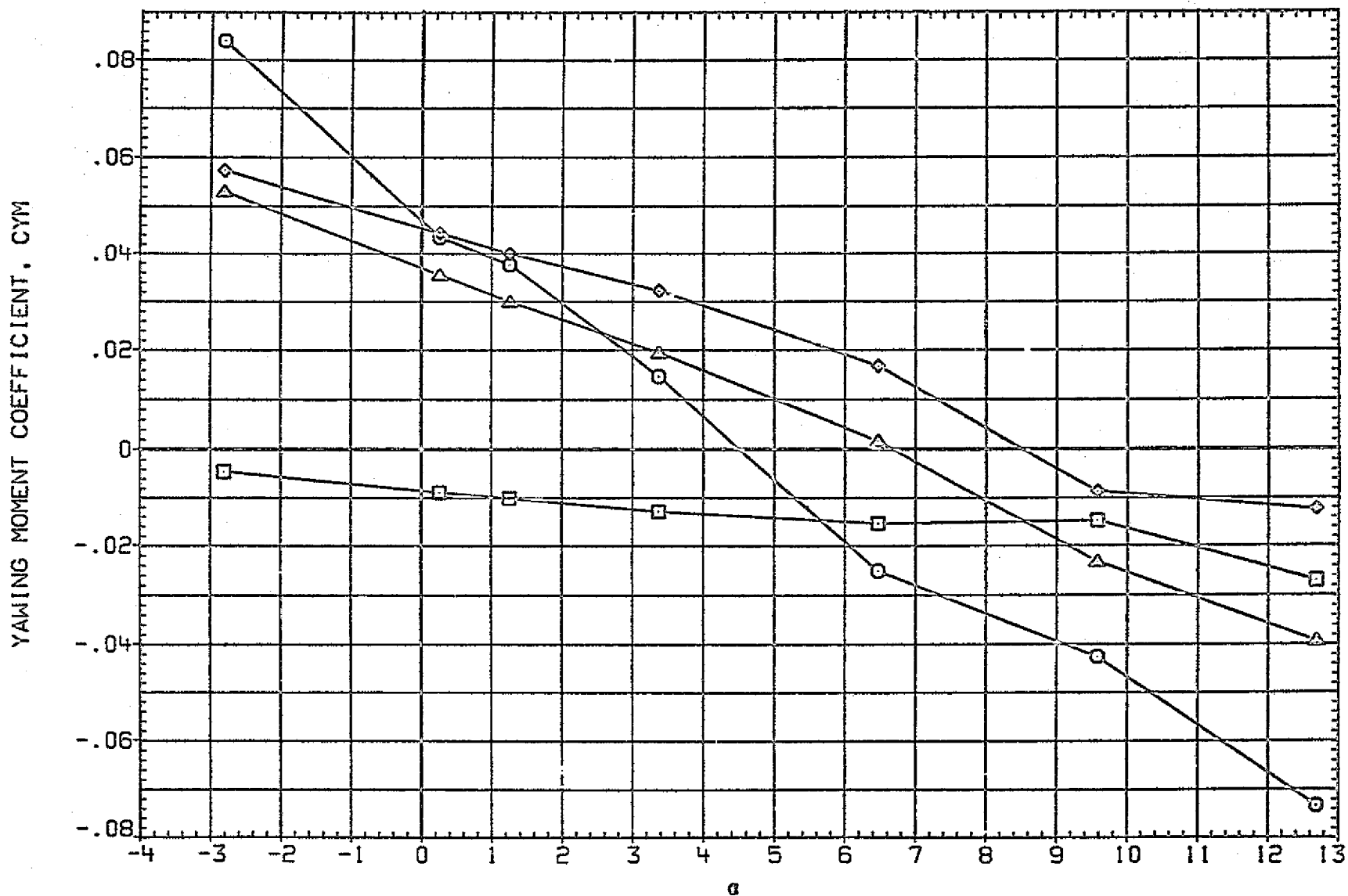


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CYM | MACH | 1.996 | BETA | .000 |
| □ | CYMC | D1 | .000 | D3 | .000 |
| ◇ | CYMT | D2 | 6.000 | D4 | 6.000 |
| △ | CYMB | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

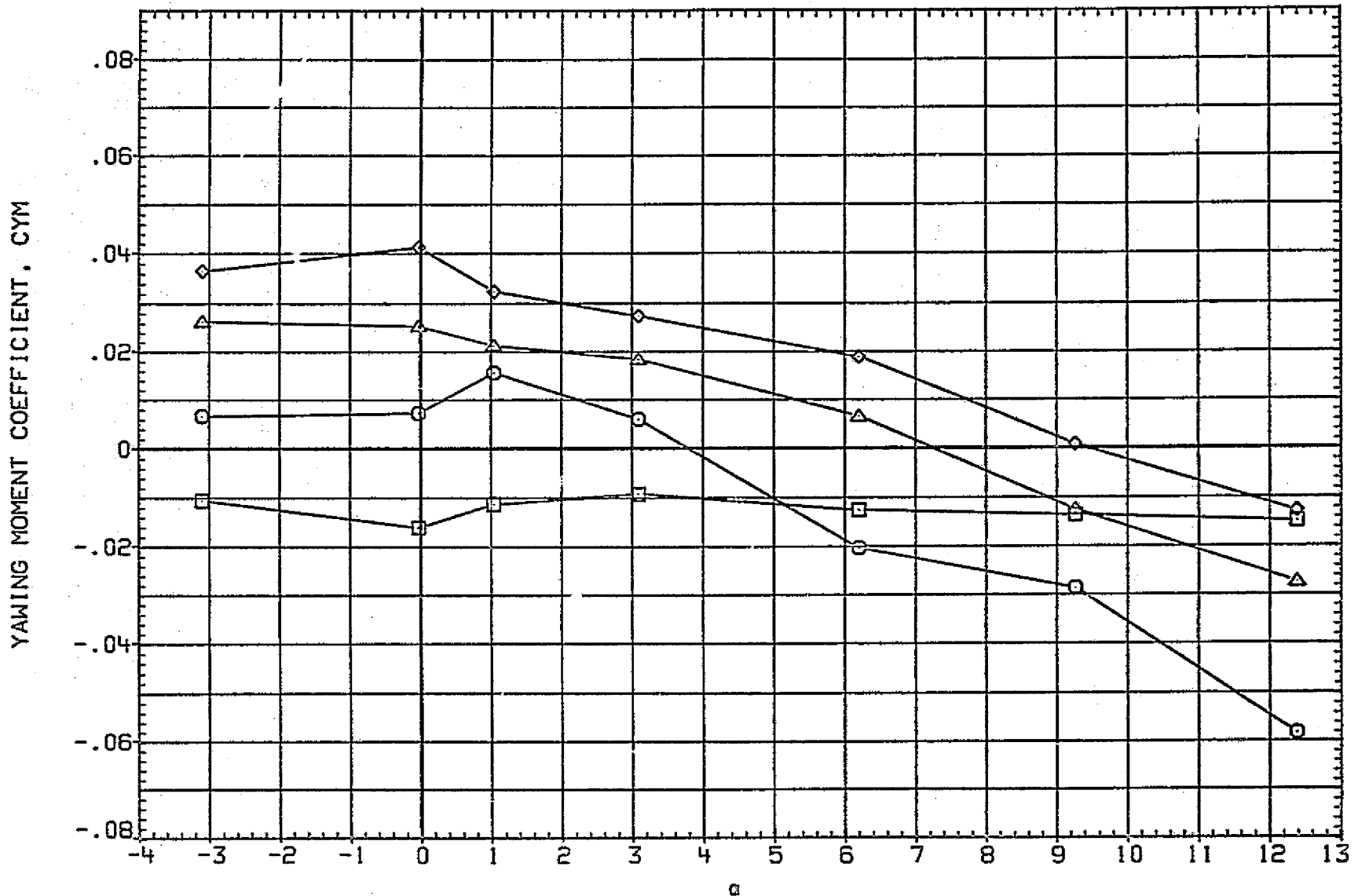


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|-------|-------|
| ◇ | CRM | MACH | 1.499 | BETA | .000 |
| □ | CRM/C | D1 | .000 | D3 | .000 |
| ◇ | CRM/T | D2 | 6.000 | D4 | 6.000 |
| ◇ | CRM/B | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

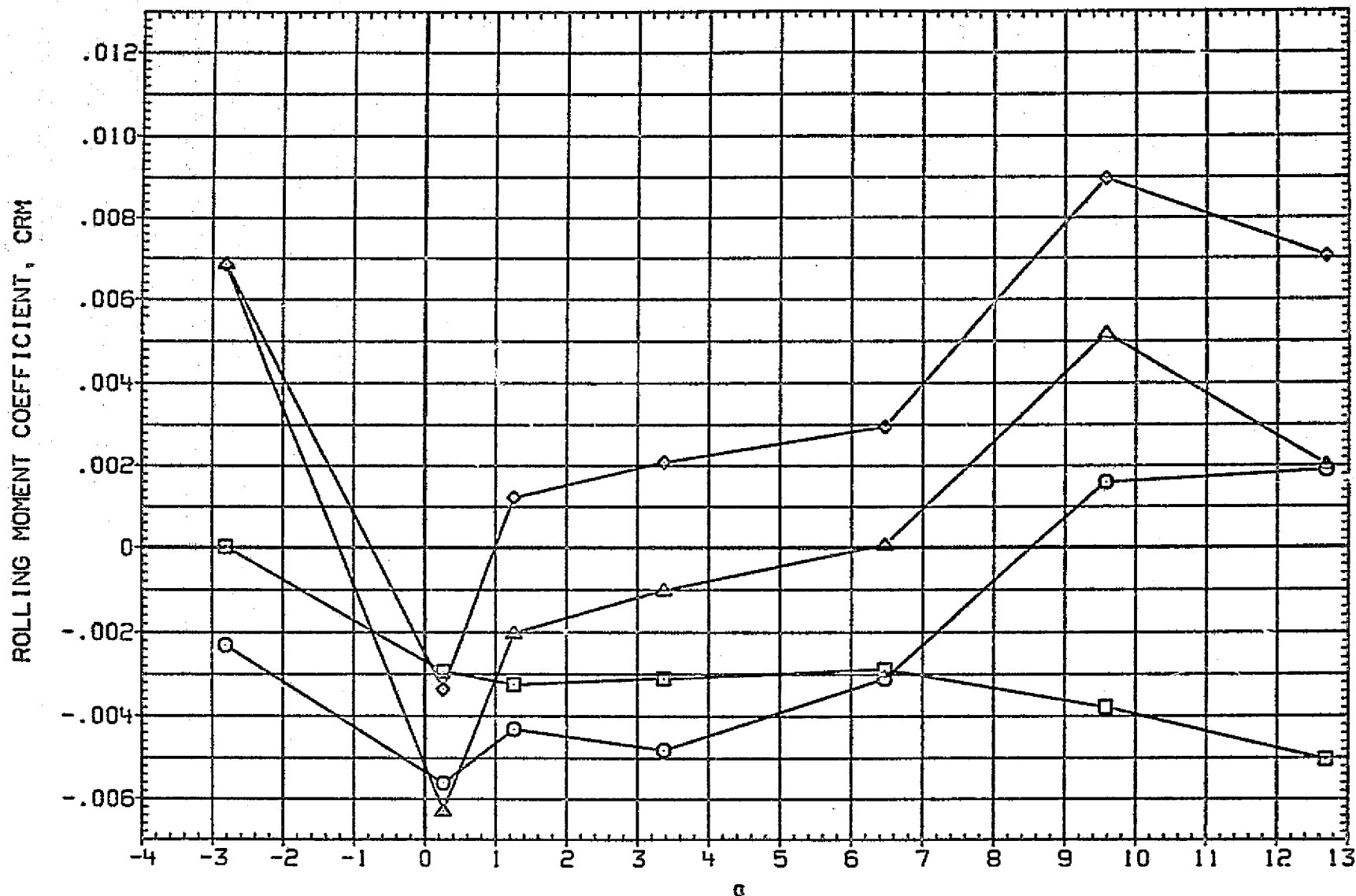


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ229) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|-------|-------|
| ○ | CRM | MACH | 1.996 | BETA | .000 |
| □ | CRM/C | D1 | .000 | D3 | .000 |
| ◇ | CRM/T | D2 | 6.000 | D4 | 6.000 |
| △ | CRM/B | D1-3 | .000 | D2-4 | 6.000 |
| | | PHI-C | .000 | PHI-T | .000 |

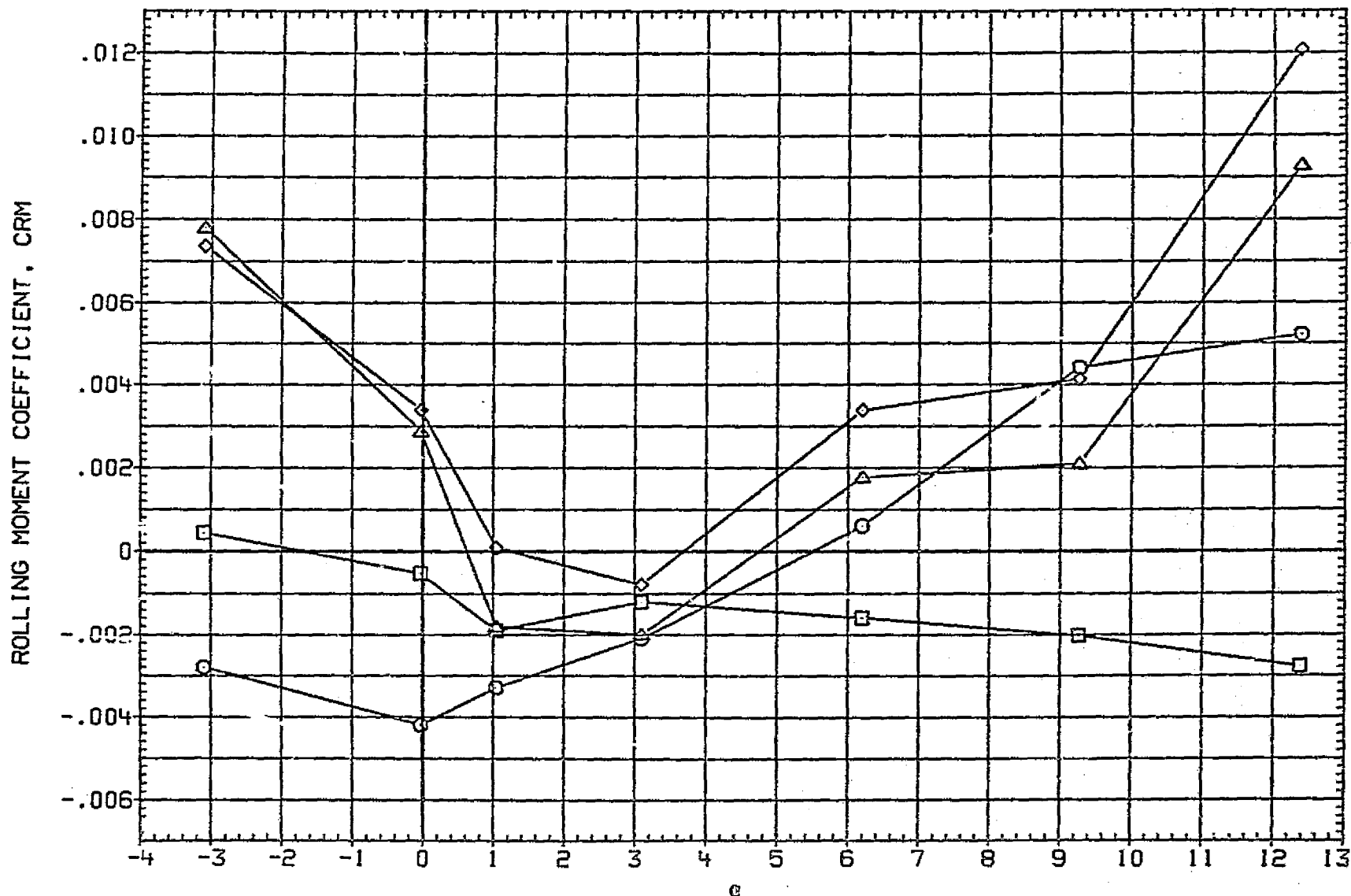


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CN | MACH | 1.498 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | 9.000 | D4 | 9.000 |
| △ | CNB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

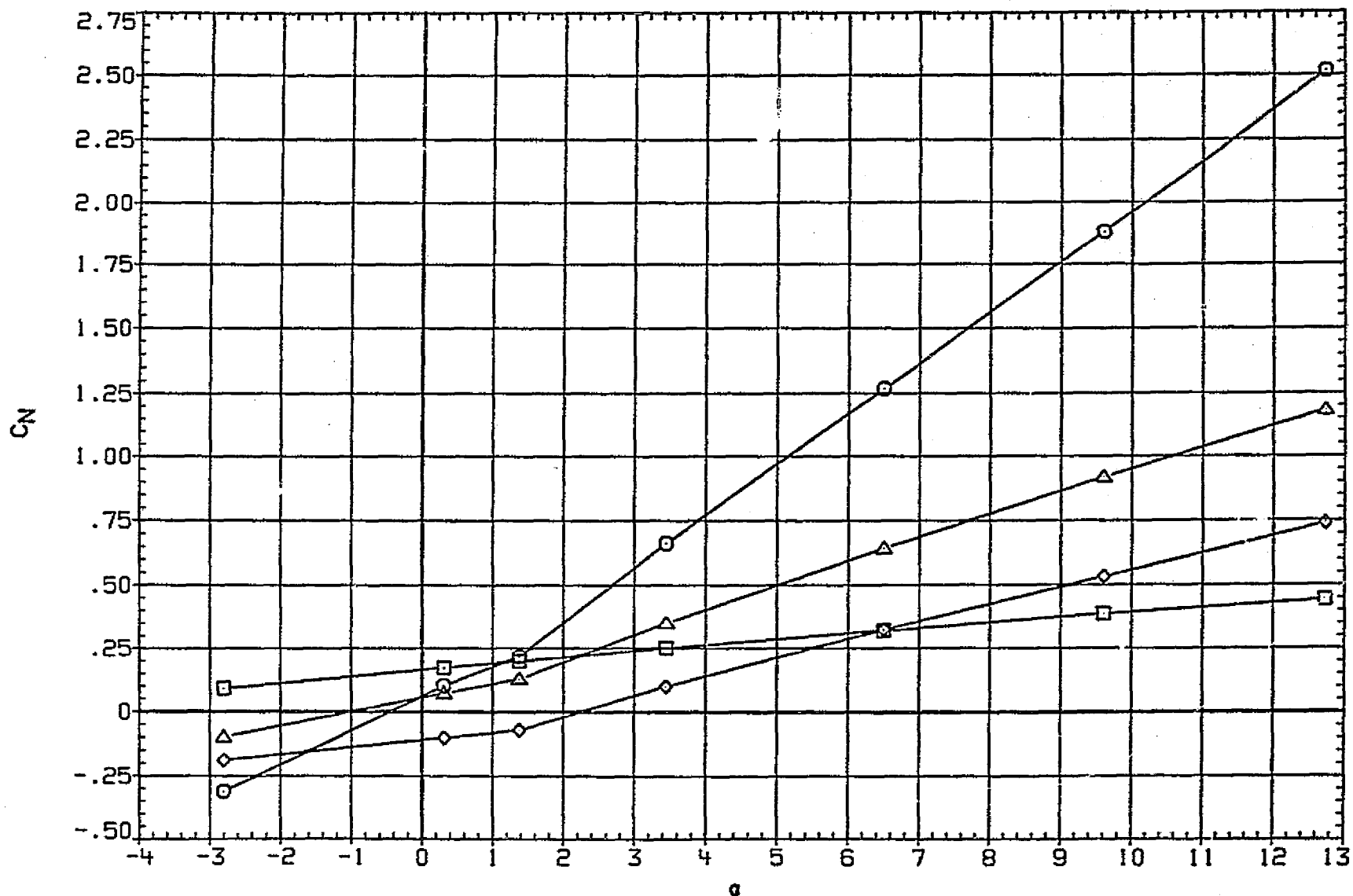


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CN | MACH | 1.994 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | 9.000 | D4 | 9.000 |
| △ | CNB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

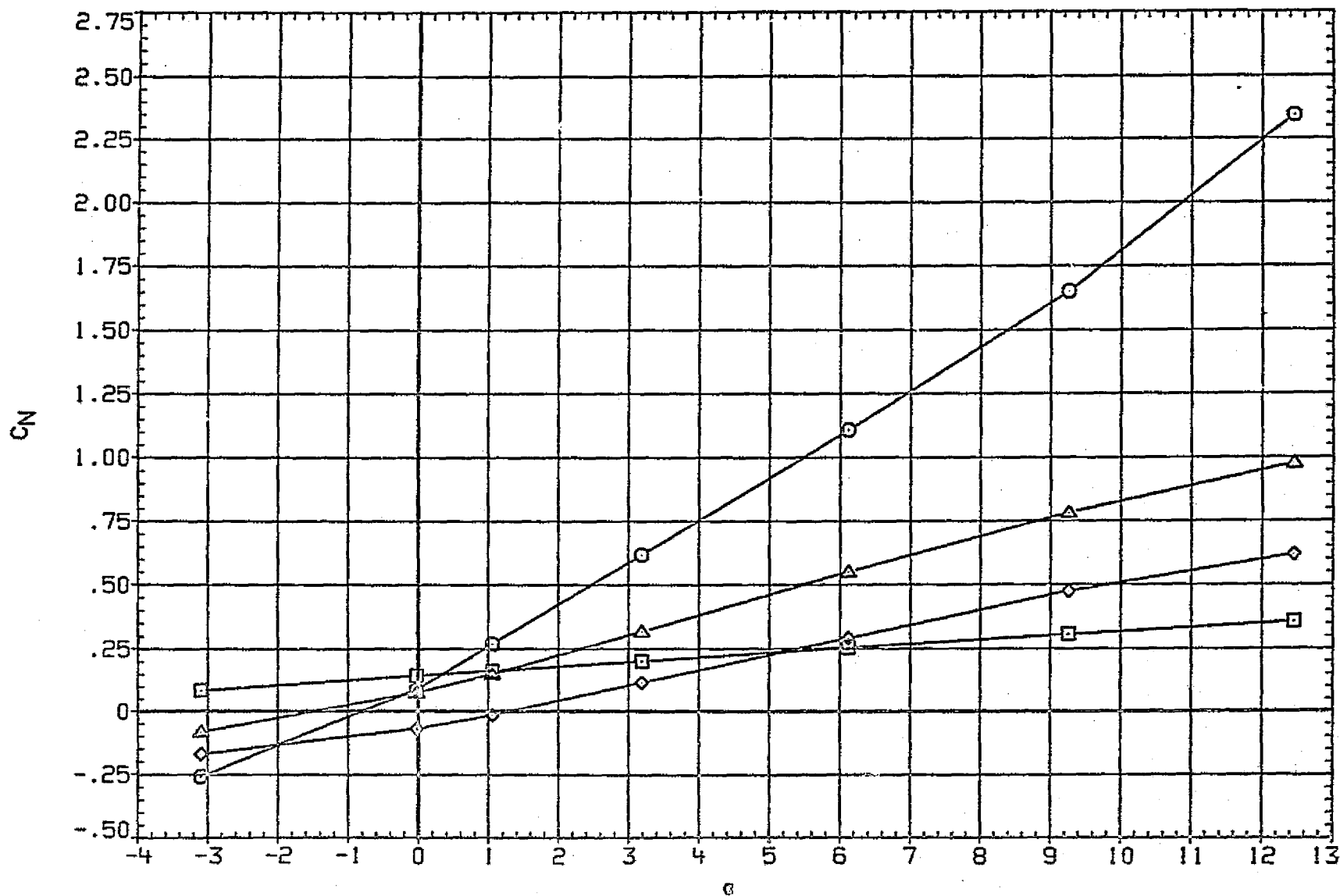


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CM | MACH | 1.498 | EETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| ◇ | CMT | D2 | 9.000 | D4 | 9.000 |
| △ | CM3 | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

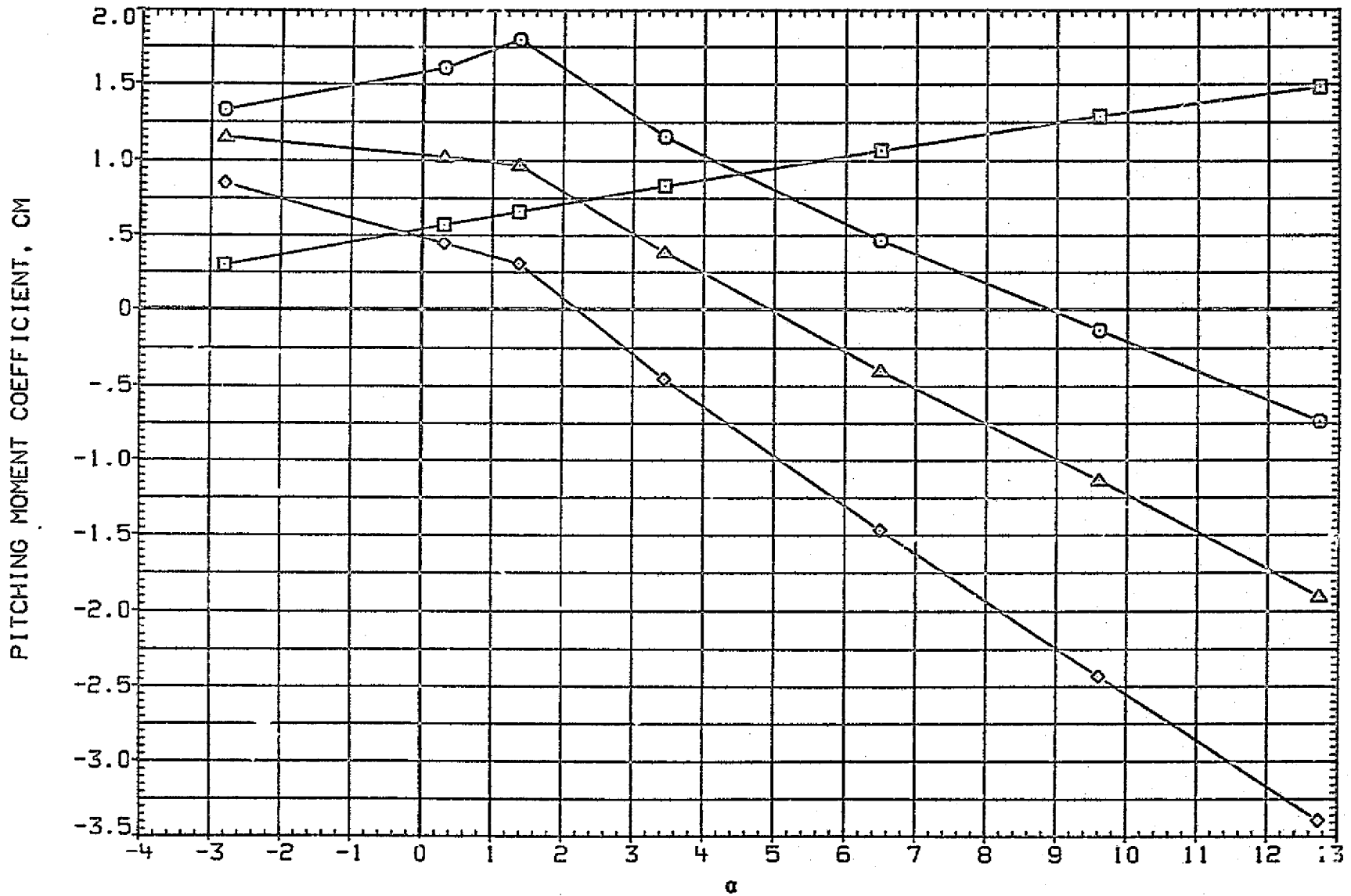


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ◇ | CM | MACH | 1.934 | BETA | .000 |
| ◇ | CMC | D1 | .000 | D3 | .000 |
| ◇ | CMT | D2 | 9.000 | D4 | 9.000 |
| ◇ | CMB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

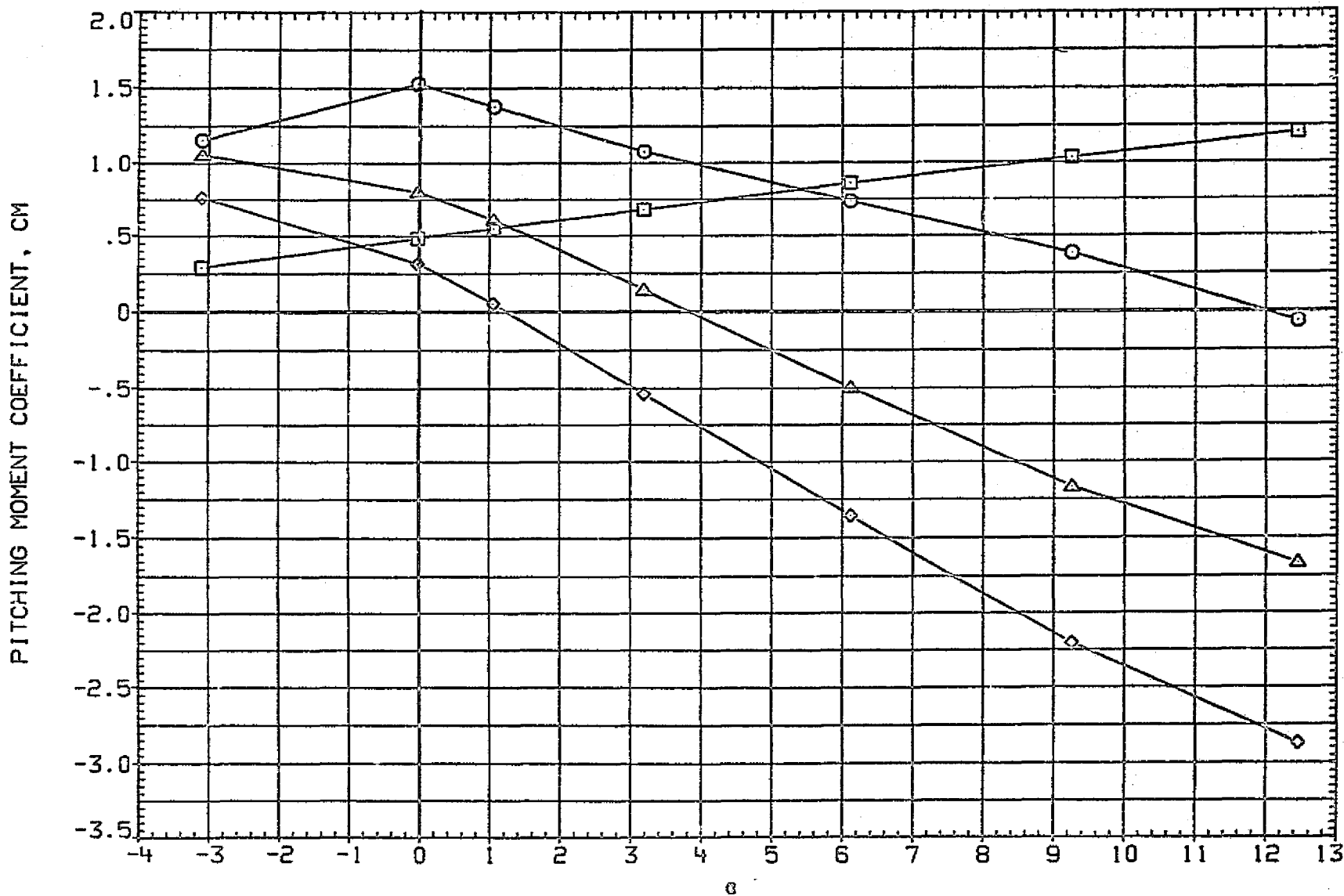


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| O | CA | MACH | 1.489 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

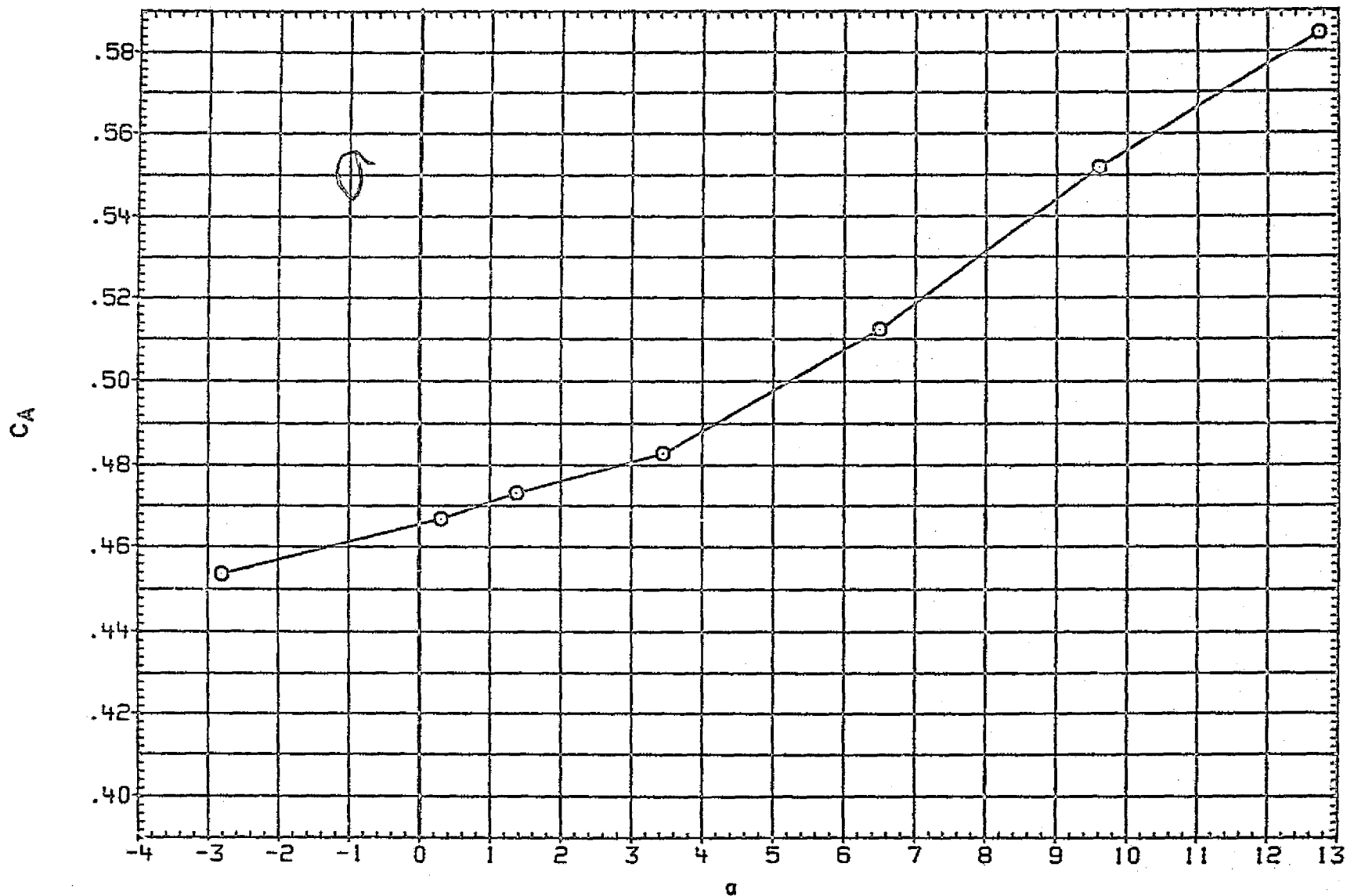


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| O | CA | MACH | 1.994 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

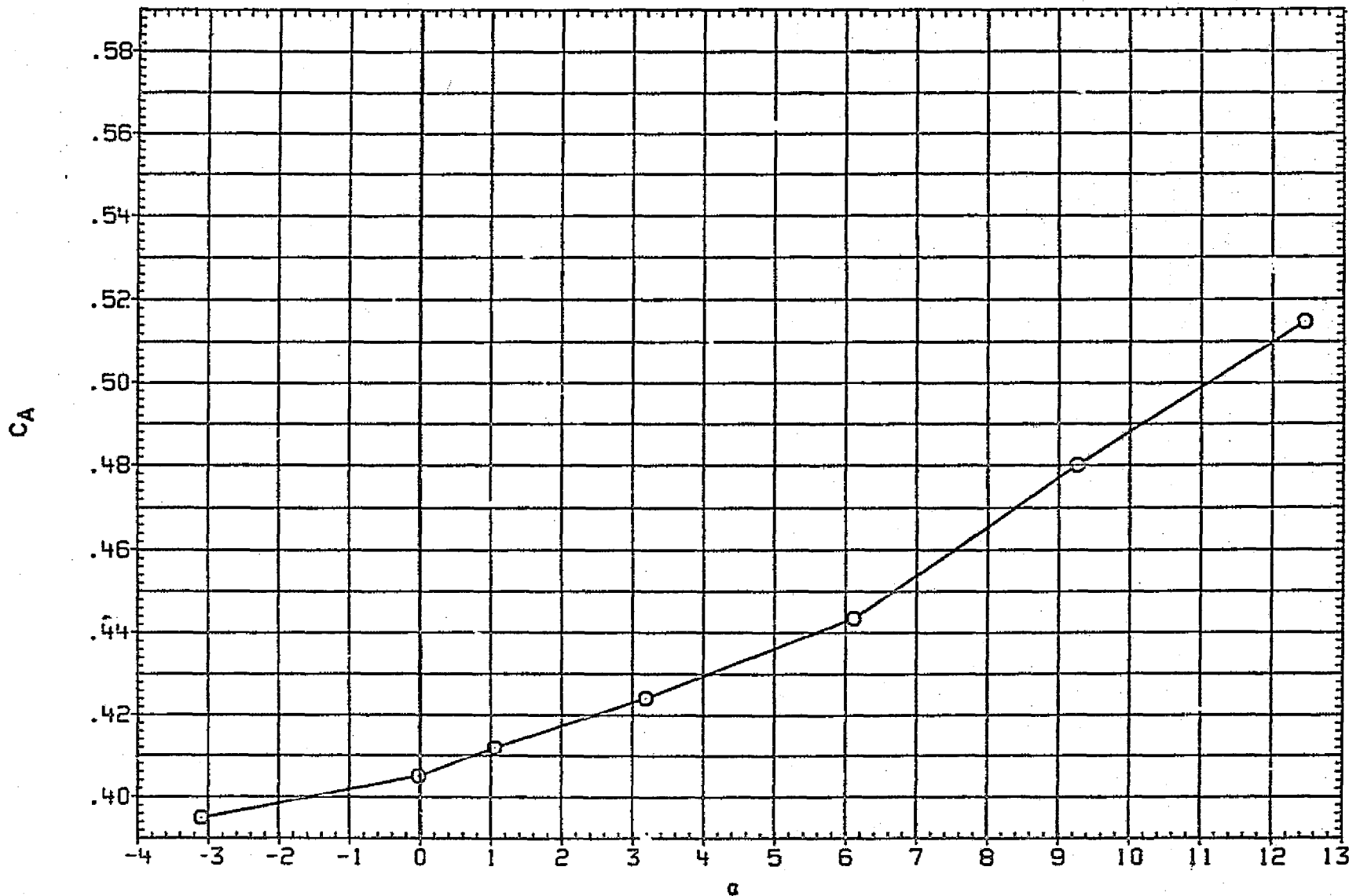


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CY | MACH | 1.493 | BETA | .000 |
| ◊ | CYC | D1 | .000 | D3 | .000 |
| △ | CYT | D2 | 9.000 | D4 | 9.000 |
| | CYB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

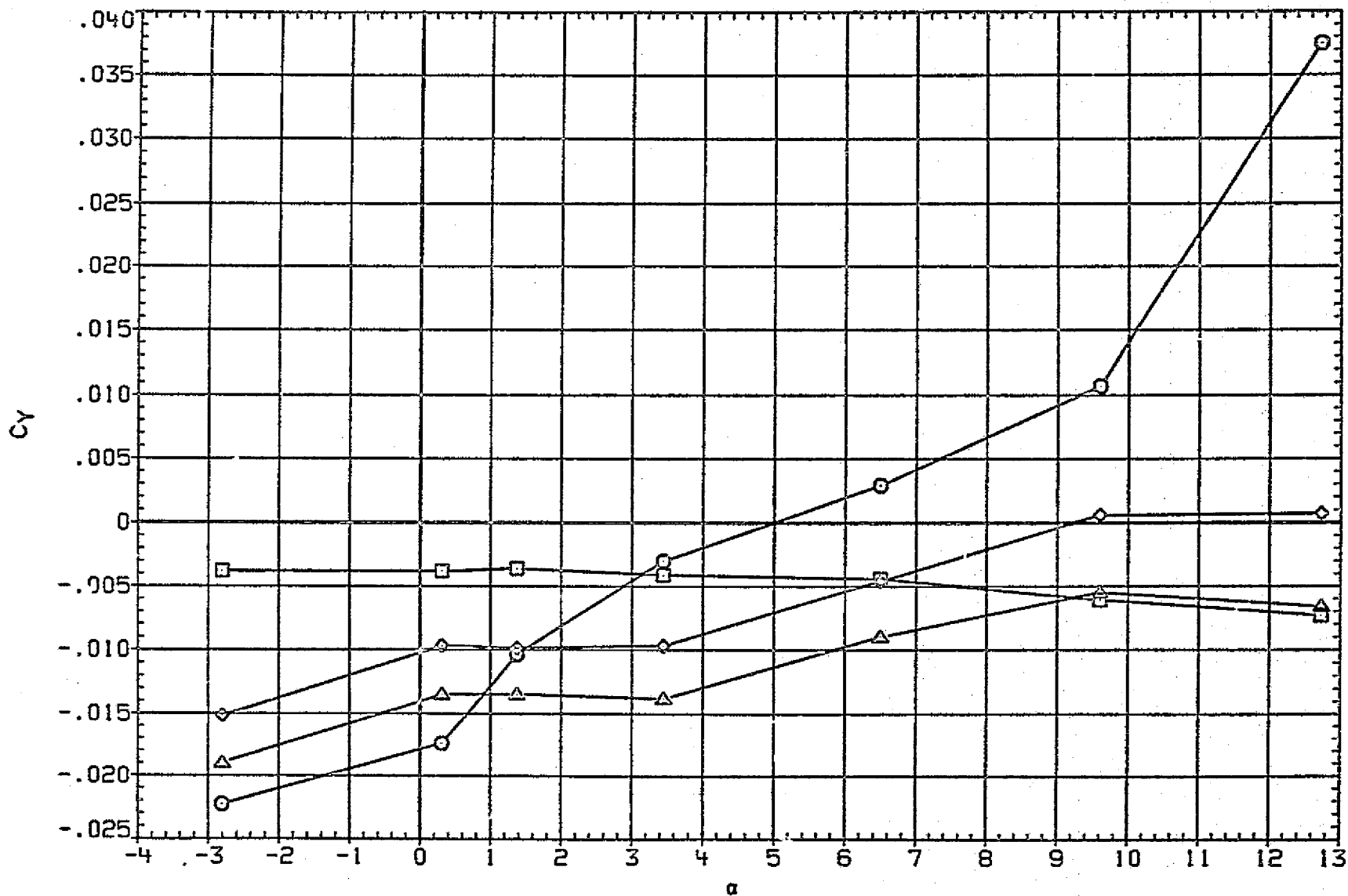


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CY | MACH | 1.994 | BETA | .000 |
| ◇ | CYC | D1 | .000 | D3 | .000 |
| △ | CYT | D2 | 9.000 | D4 | 9.000 |
| □ | CYB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

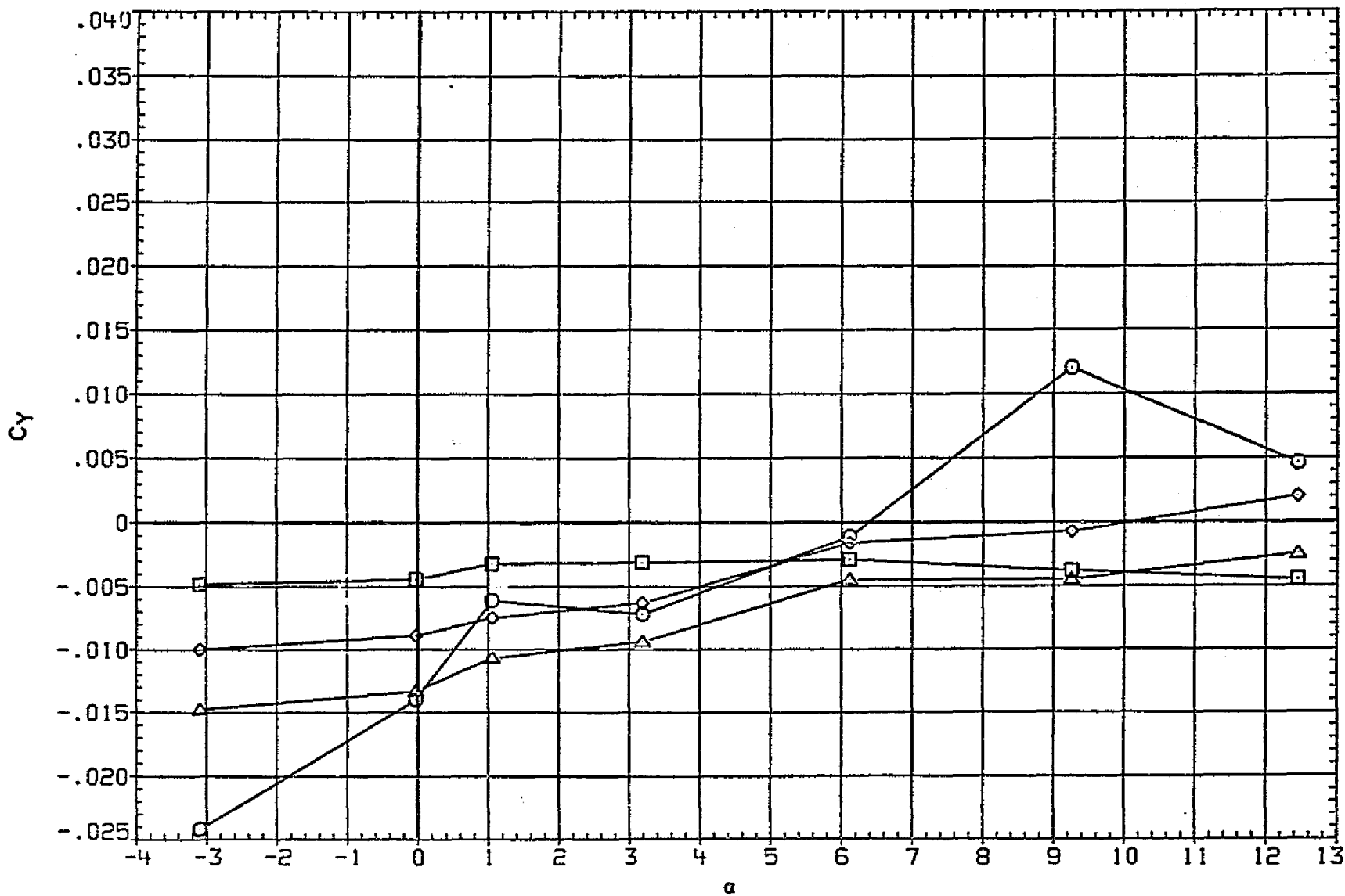


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CYM | MACH | 1.498 | BETA | .000 |
| □ | CYMC | D1 | .000 | D3 | .000 |
| ◇ | CYMT | D2 | 9.000 | D4 | 9.000 |
| △ | CYMS | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

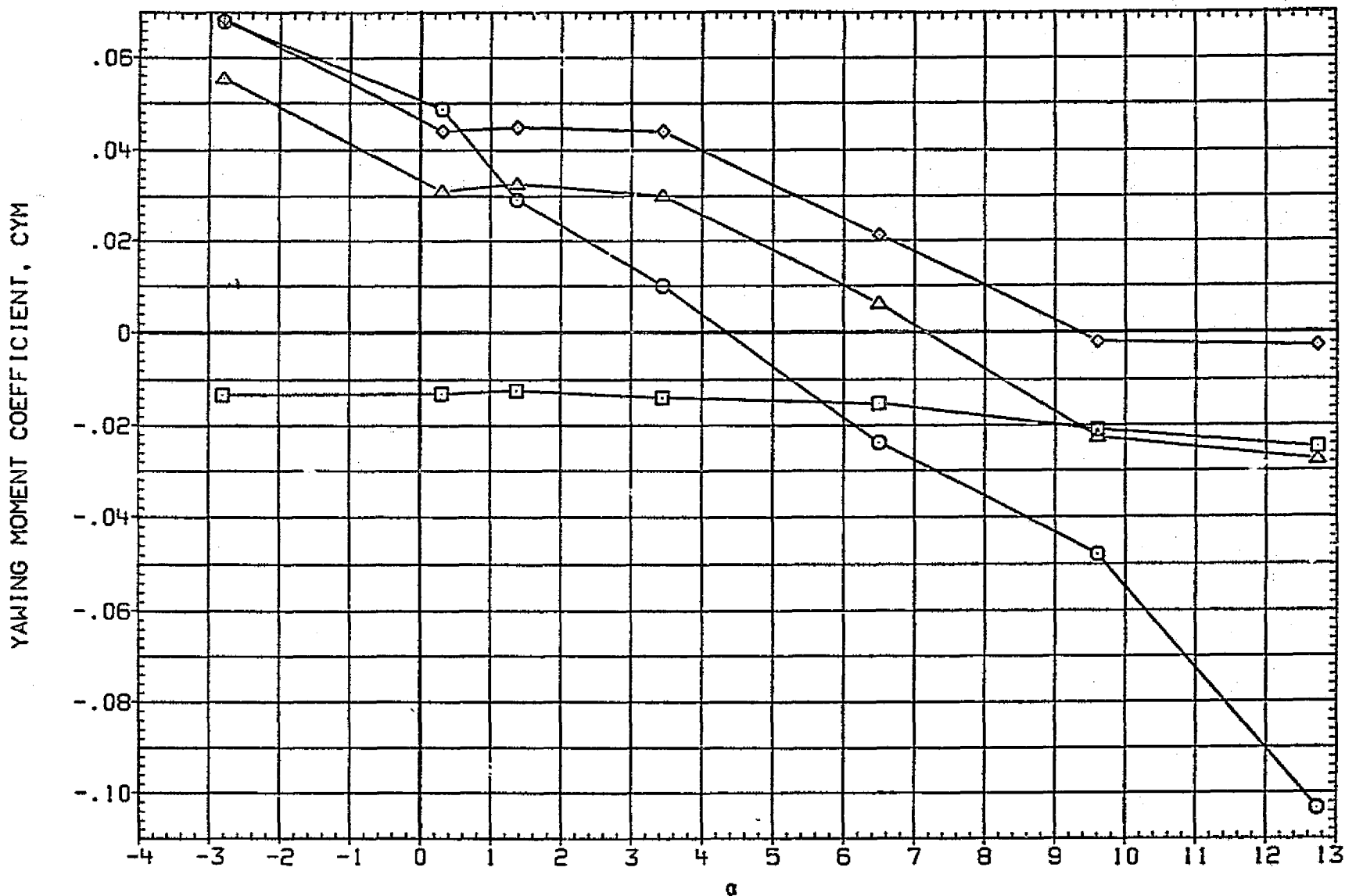


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ230) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ◇ | CYM | MACH | 1.994 | BETA | .000 |
| □ | CYMC | D1 | .000 | D3 | .000 |
| △ | CYMT | D2 | 9.000 | D4 | 9.000 |
| | CYMB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .090 | PHI-T | .000 |

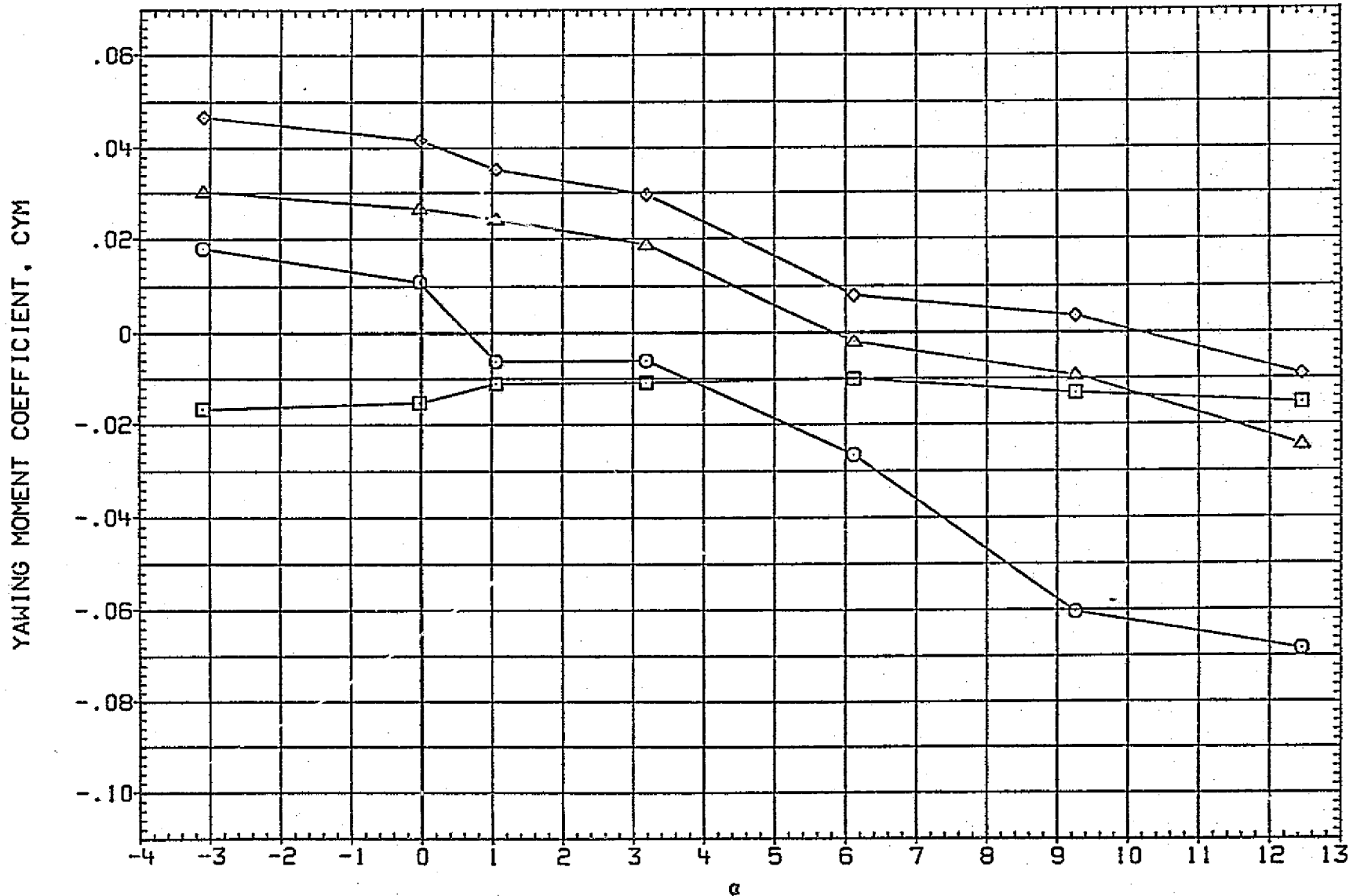


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ230) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|-------|-------|
| ○ | CRM | MACH | 1.499 | BETA | .000 |
| □ | CRM C | D1 | .000 | D3 | .000 |
| ◇ | CRM T | D2 | 9.000 | D4 | 9.000 |
| △ | CRM B | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

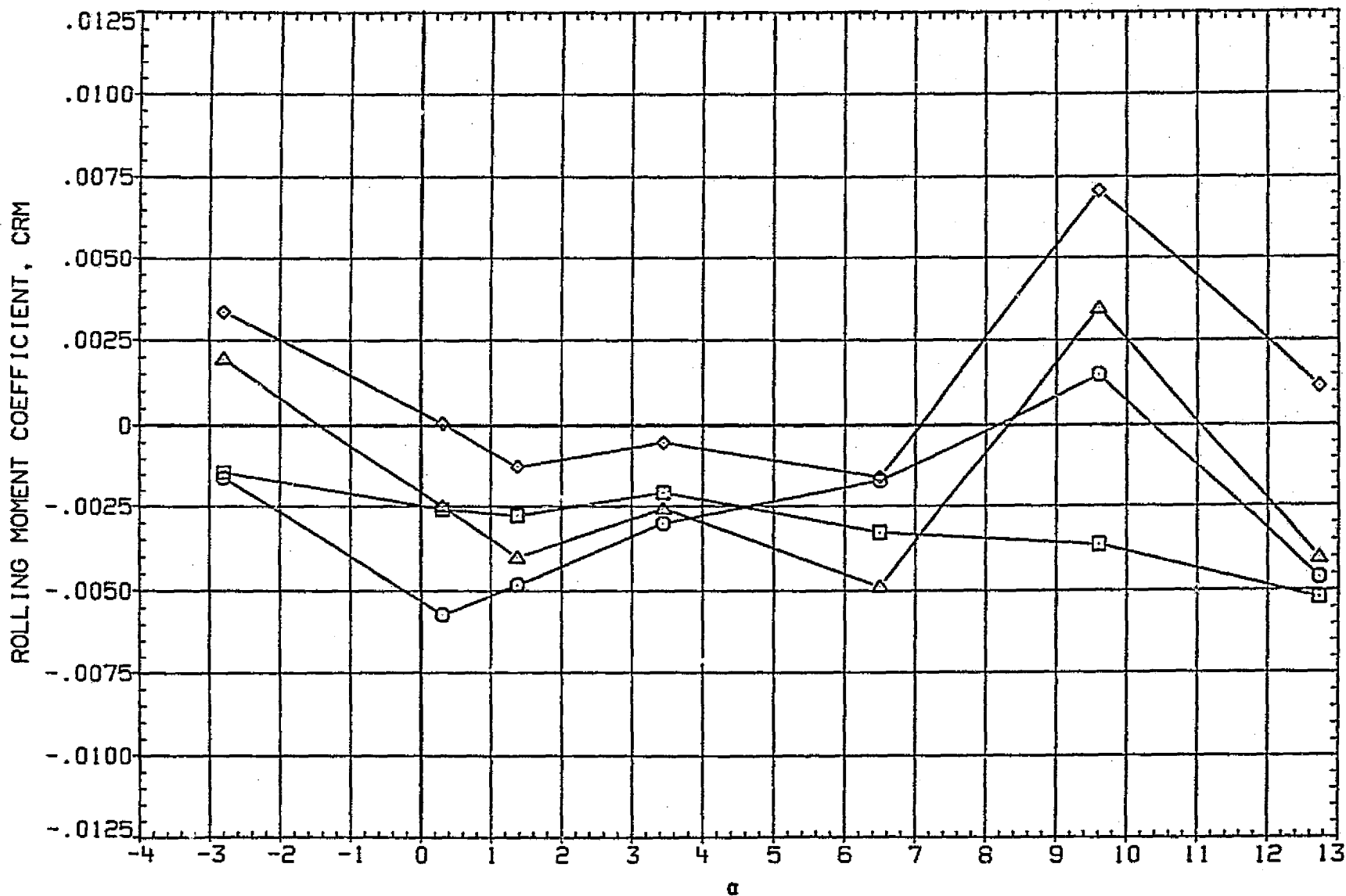


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ230) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|-------|-------|-------|
| ○ | CRM | MACH | 1.934 | BETA | .000 |
| □ | CRMC | D1 | .000 | D3 | .000 |
| ◇ | CRMT | D2 | 9.000 | D4 | 9.000 |
| △ | CRMB | D1-3 | .000 | D2-4 | 9.000 |
| | | PHI-C | .000 | PHI-T | .000 |

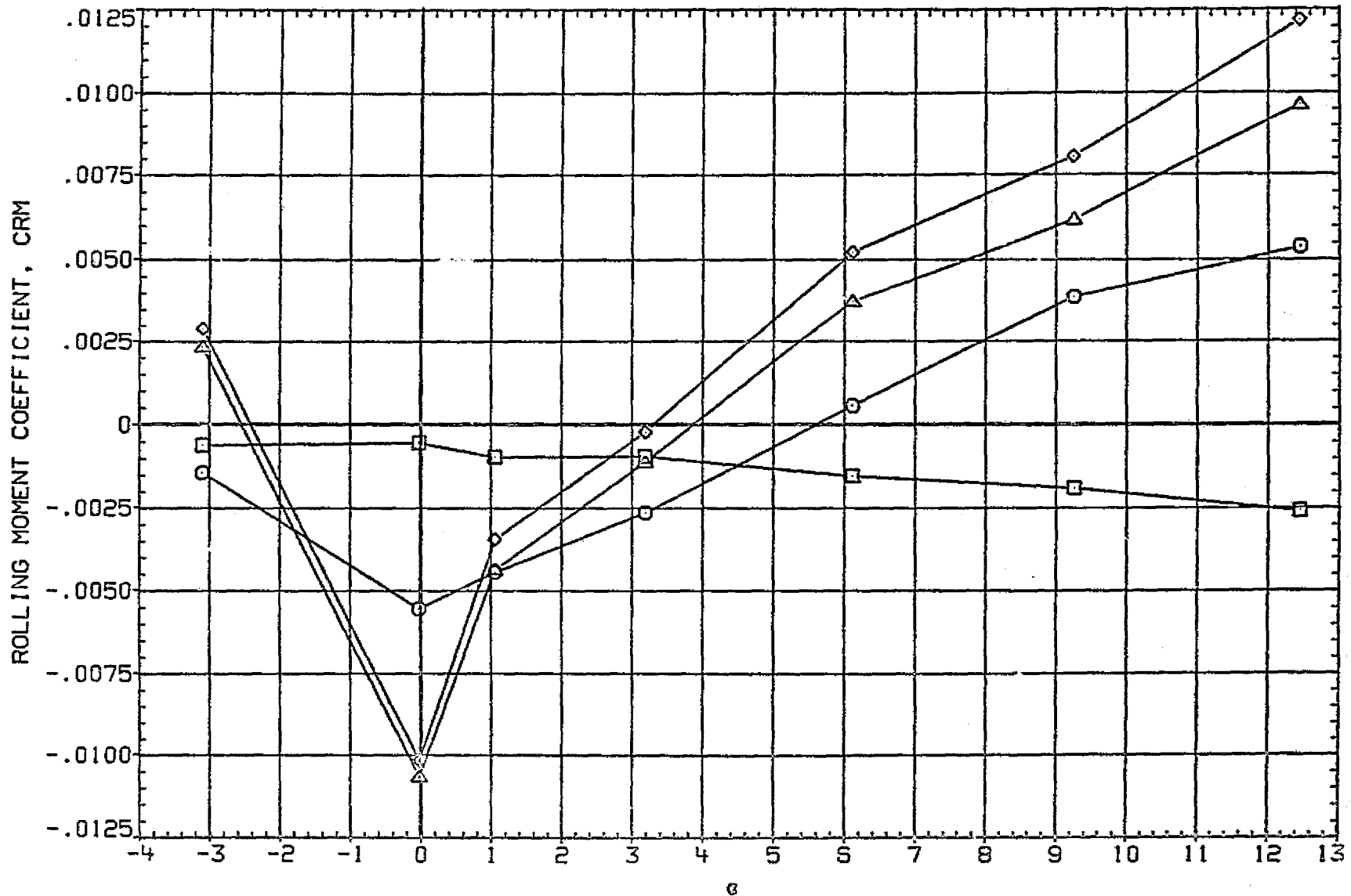


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.500 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | 15.000 | D4 | 15.000 |
| △ | CNS | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

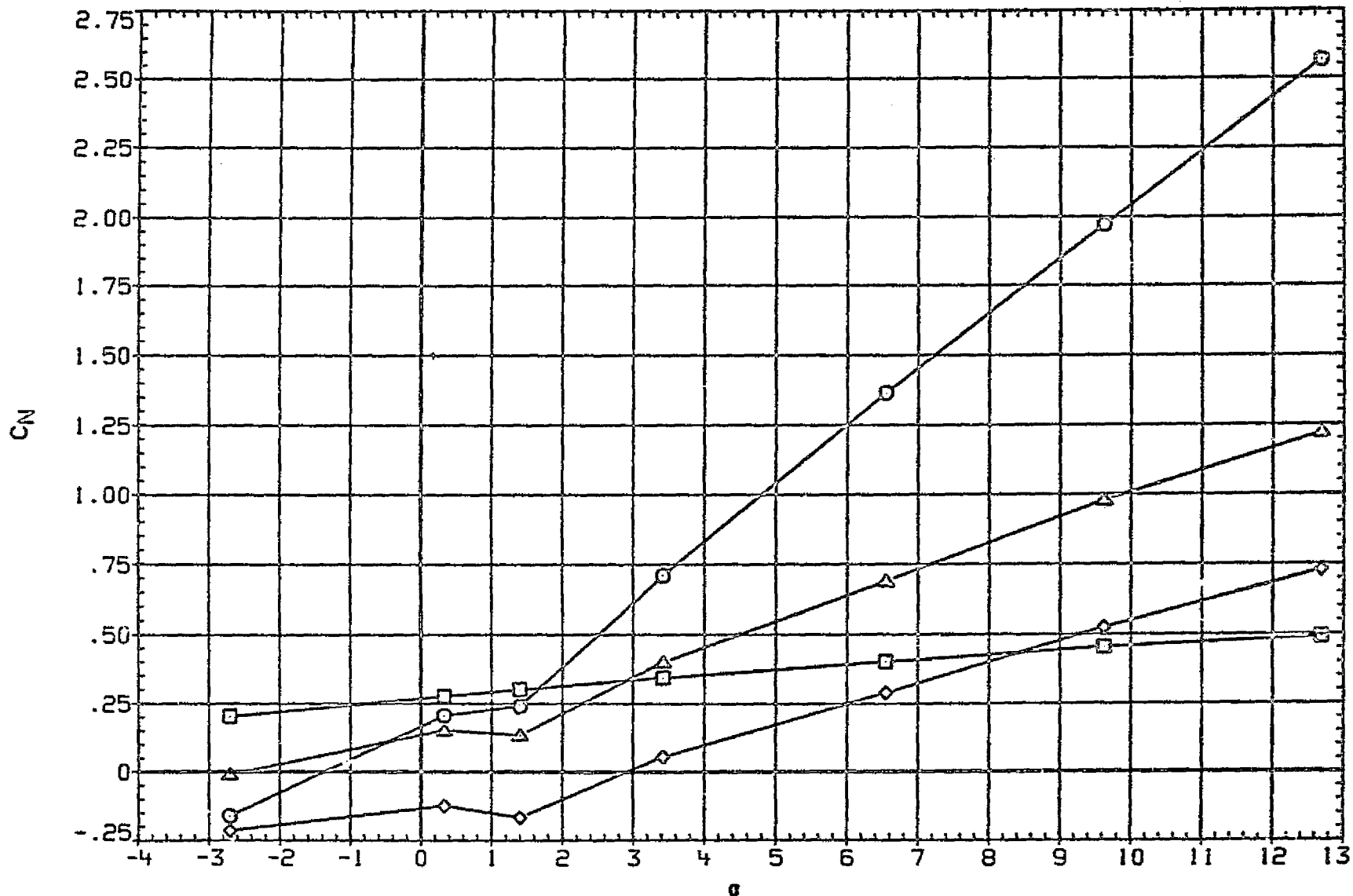


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.995 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | 15.000 | D4 | 15.000 |
| △ | CNB | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

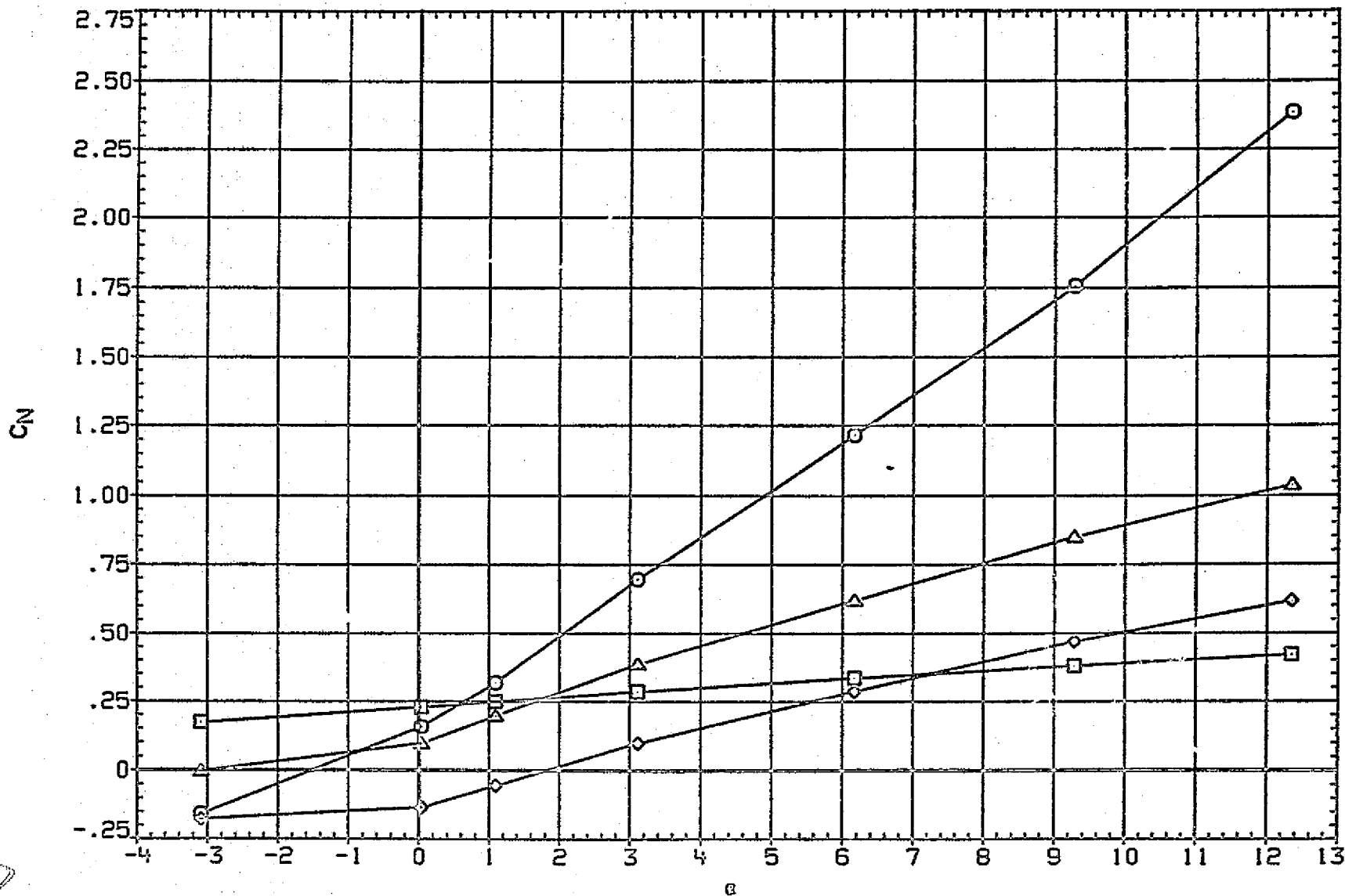


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CM | HACH | 1.500 | BETA | .000 |
| ◇ | CMC | D1 | .000 | D3 | .000 |
| ◇ | CMT | D2 | 15.000 | D4 | 15.000 |
| ◇ | CMS | D1-3 | .000 | D2-4 | 15.000 |
| | | FHI-C | .000 | FHI-T | .000 |

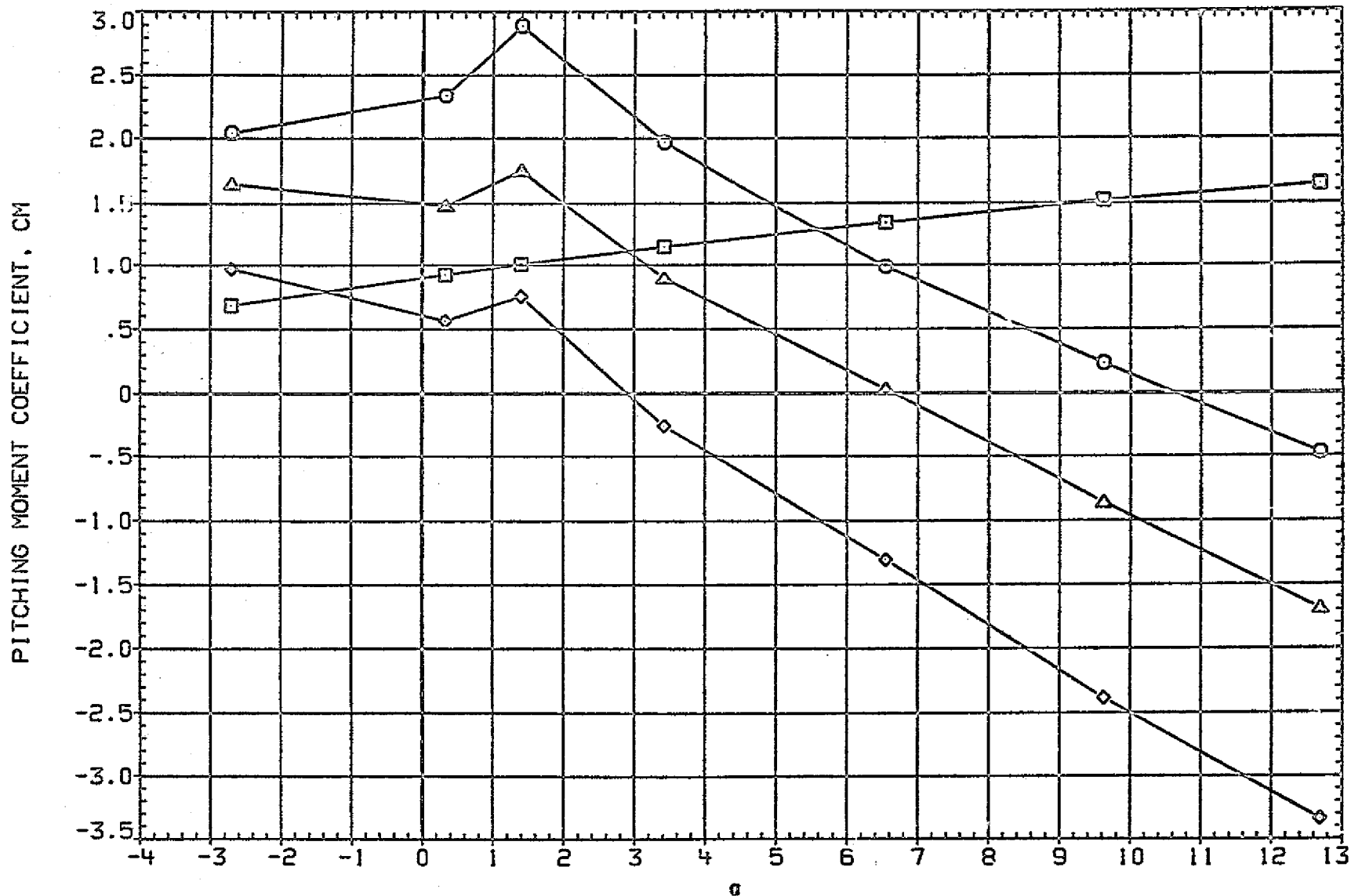


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CM | MACH | 1.985 | BETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| △ | CMT | D2 | 15.000 | D4 | 15.000 |
| ◇ | CMS | E1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

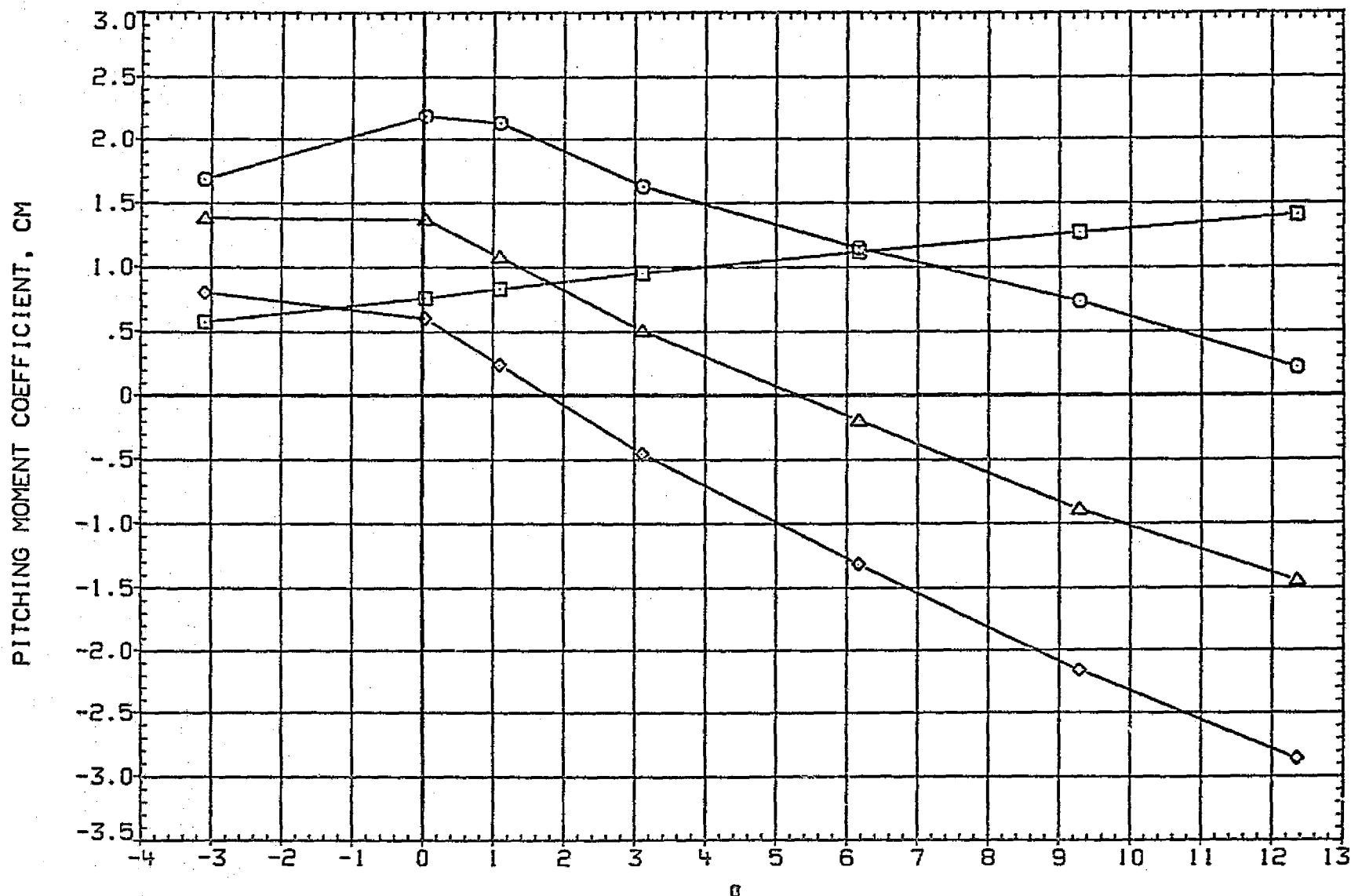


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| O | CA | MACH | 1.500 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

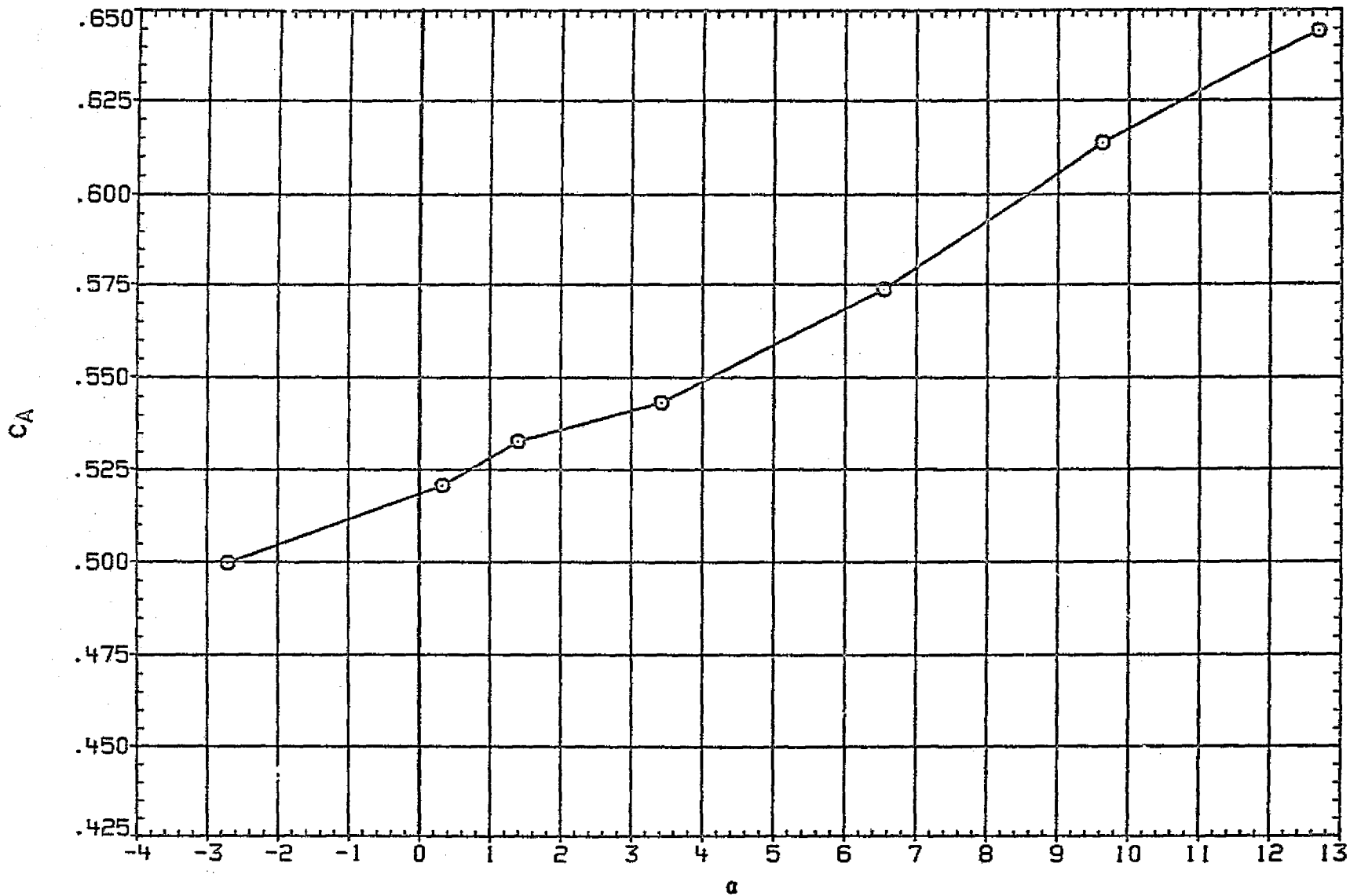


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ231) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| O | CA | MACH | 1.985 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

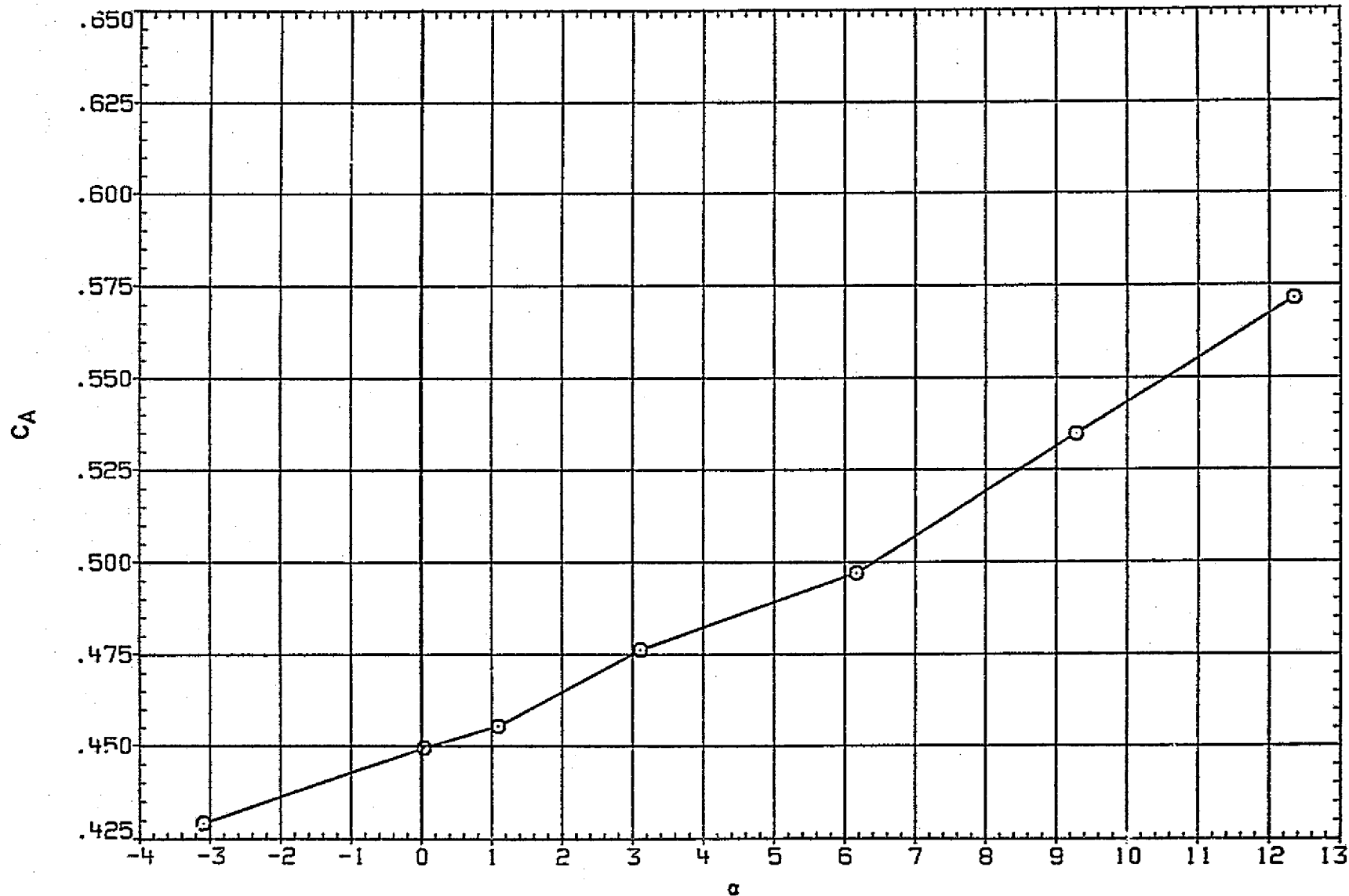


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ231)

CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CY | MACH | 1.500 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ◇ | CYT | D2 | 15.000 | D4 | 15.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

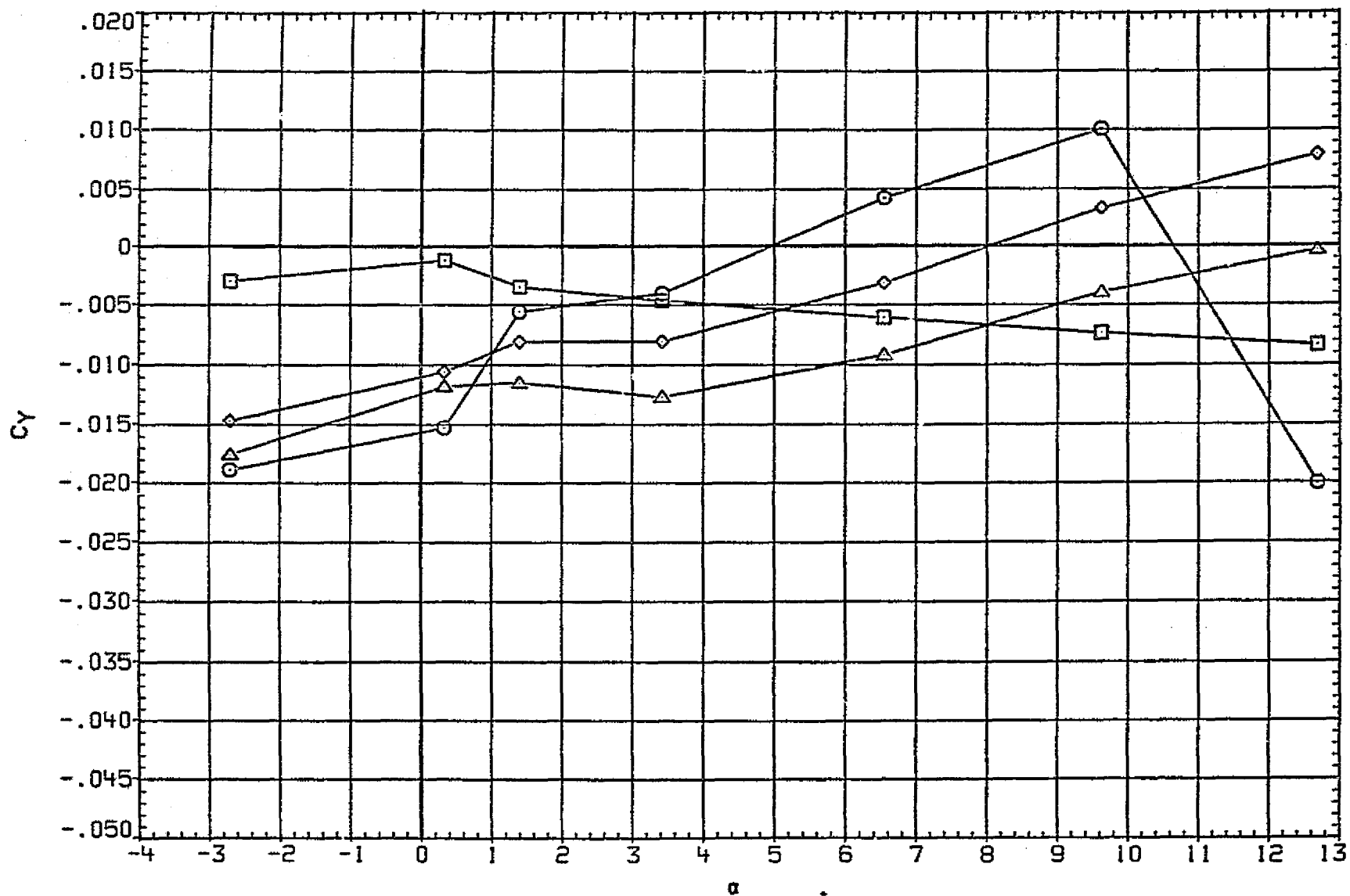


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CY | MACH | 1.985 | BETA | .000 |
| ◇ | CYC | D1 | .000 | D3 | .000 |
| □ | CYT | D2 | 15.000 | D4 | 15.000 |
| △ | CYB | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

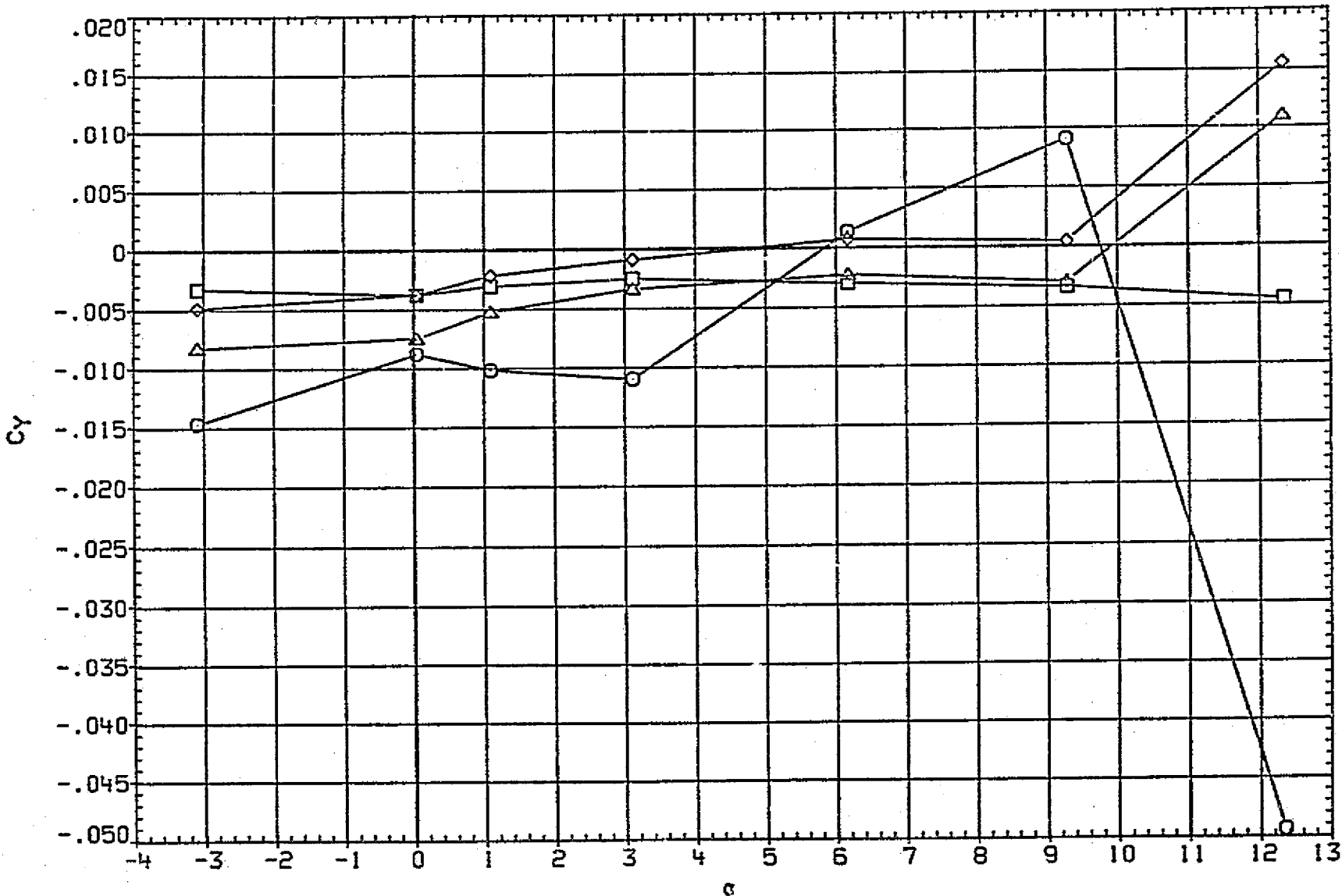


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | MACH | 1.500 | BETA | .000 |
|--------|------|-------|--------|-------|--------|
| ○ | CYH | D1 | .000 | D3 | .000 |
| ◇ | CYHC | D2 | 15.000 | D4 | 15.000 |
| △ | CYMT | D1-3 | .000 | D2-4 | 15.000 |
| □ | CYMS | PHI-C | .000 | PHI-T | .000 |

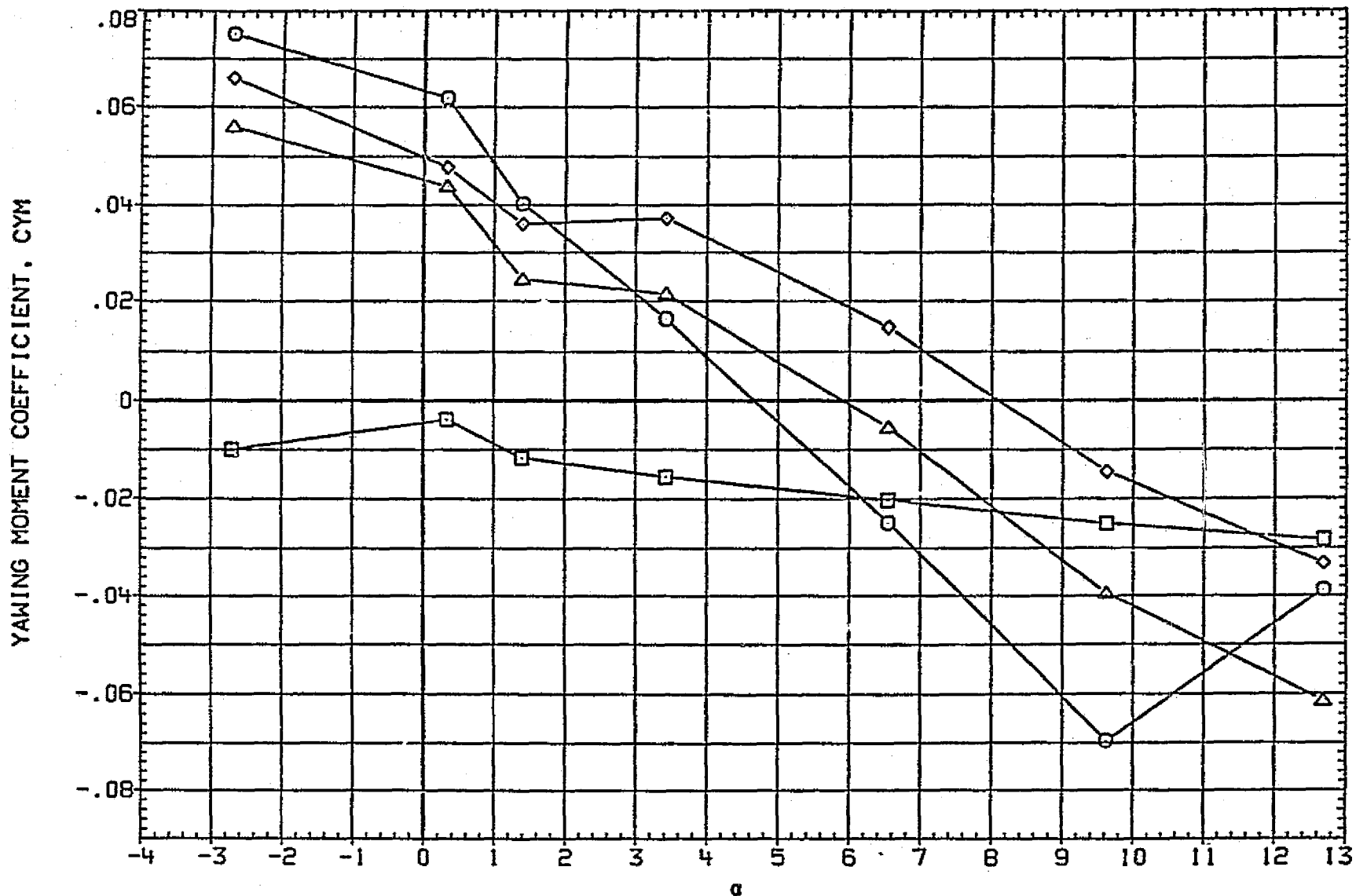


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CYM | MACH | 1.995 | BETA | .000 |
| ○ | CYMC | D1 | .000 | D3 | .000 |
| □ | CYMT | D2 | 15.000 | D4 | 15.000 |
| △ | CYMS | D1-3 | .000 | D2-4 | 15.000 |
| | | PHI-C | .000 | PHI-T | .000 |

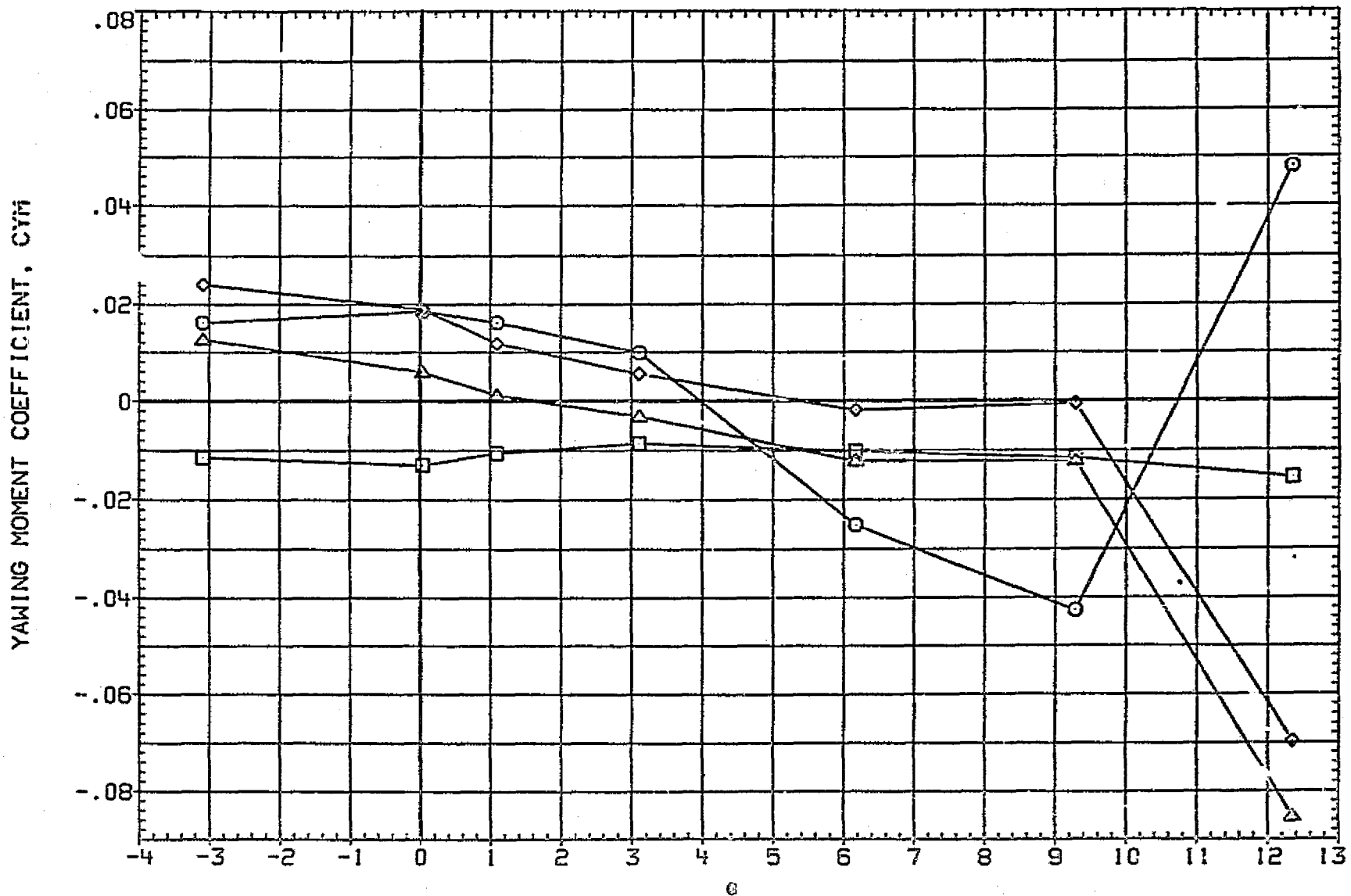


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|--------|
| ◇ | CRM | MACH | 1.500 | BETA | .000 |
| ○ | CRM-C | D1 | .000 | D3 | .000 |
| △ | CRMC | D2 | 15.000 | D4 | 15.000 |
| □ | CRMT | D1-3 | .000 | D2-4 | 15.000 |
| | CRMB | PHI-C | .000 | PHI-T | .000 |

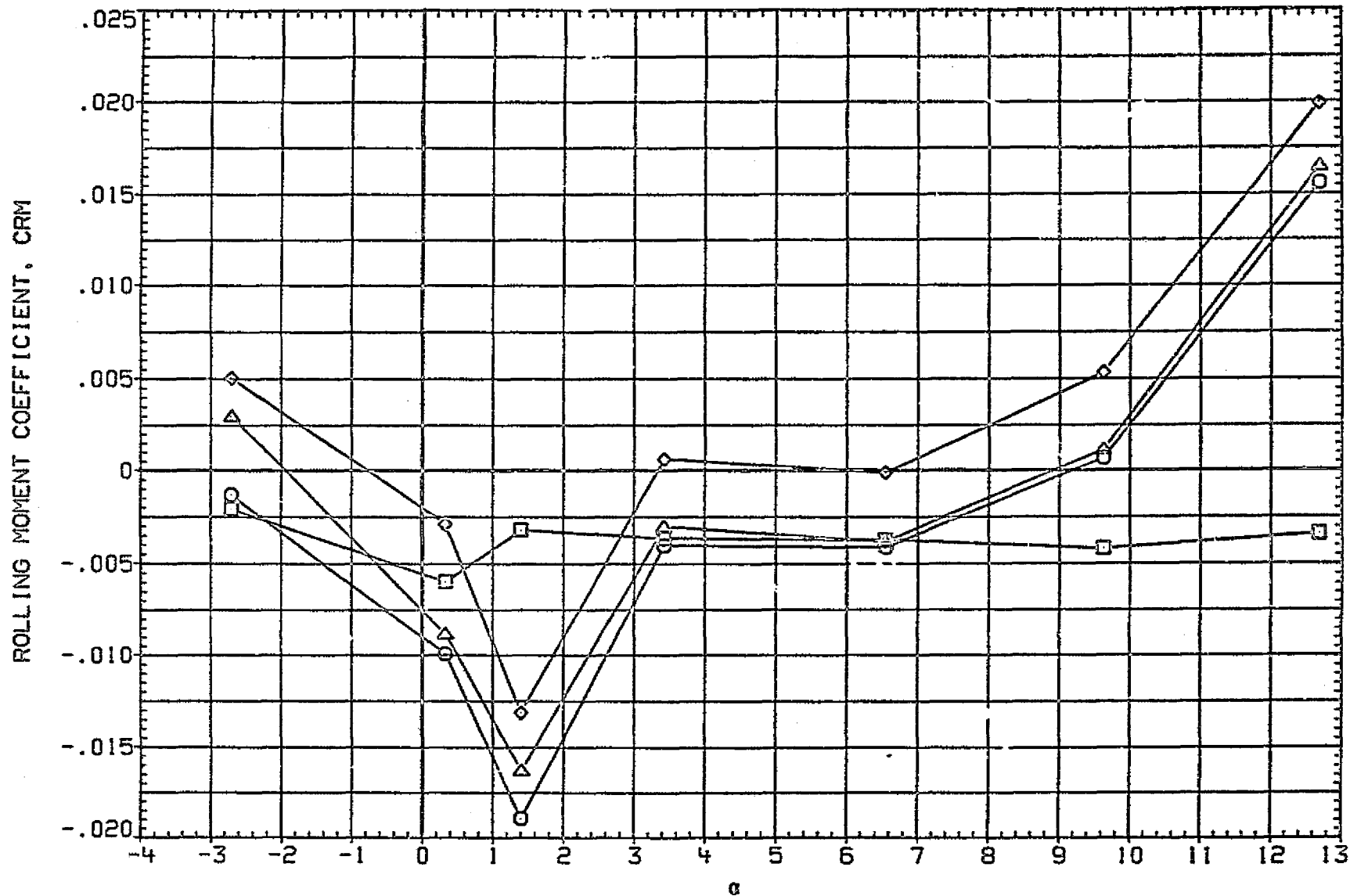


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NE2231) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|--------|
| ◇◇◇◇ | CRM | MACH | 1.985 | BETA | .000 |
| ◇◇◇◇ | CRM C | D1 | .000 | D3 | .000 |
| ◇◇◇◇ | CRM T | D2 | 15.000 | D4 | 15.000 |
| ◇◇◇◇ | CRM B | D1-3 | .000 | D2-4 | 1E 000 |
| | | PHI-C | .000 | PHI-T | .000 |

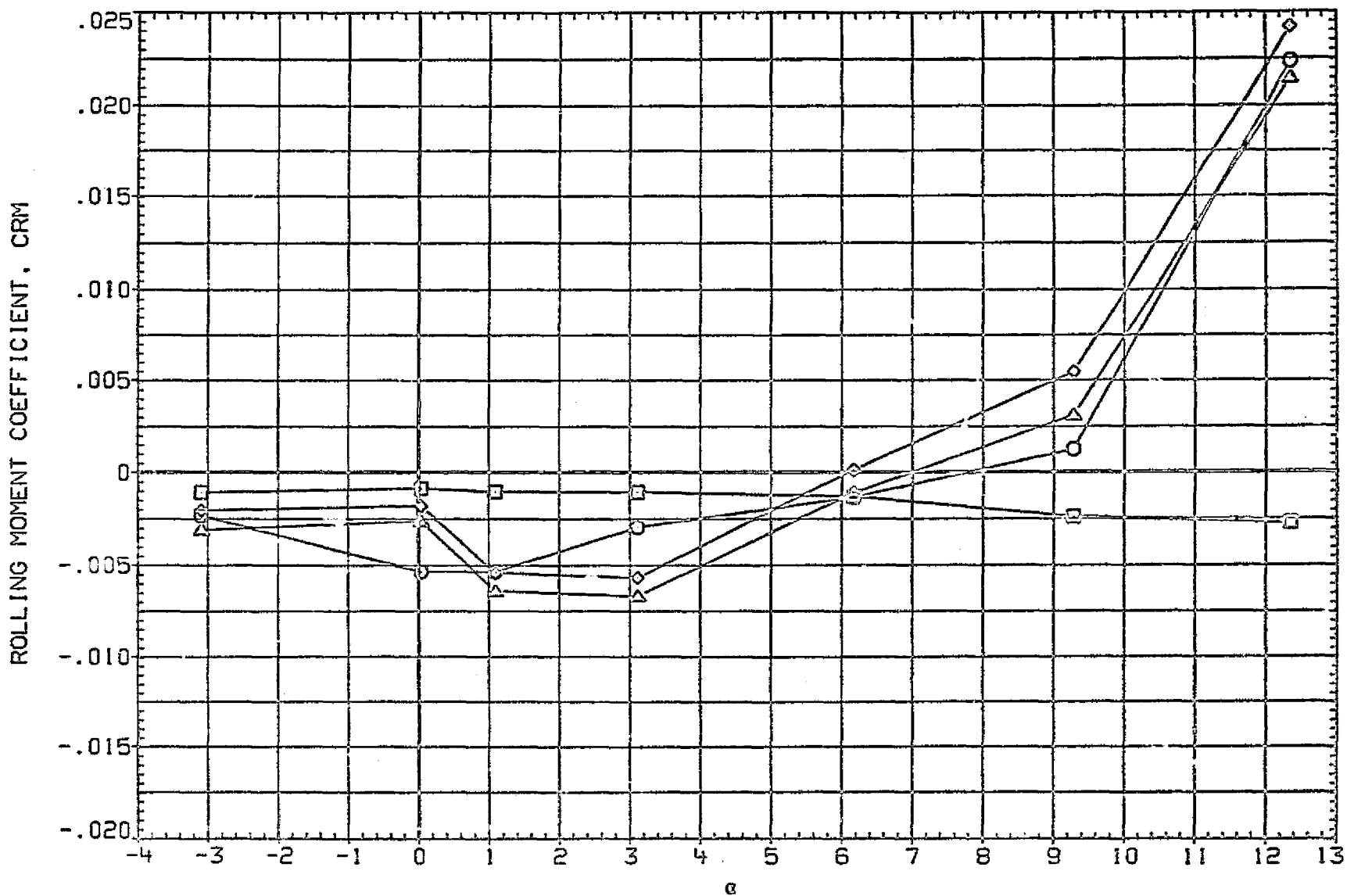


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.501 | BETA | .000 |
| □ | CNC | D1 | -3.000 | D3 | -3.000 |
| ◇ | CNT | D2 | -3.000 | D4 | -3.000 |
| △ | CNB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | FHI-C | 45.000 | FHI-T | .000 |

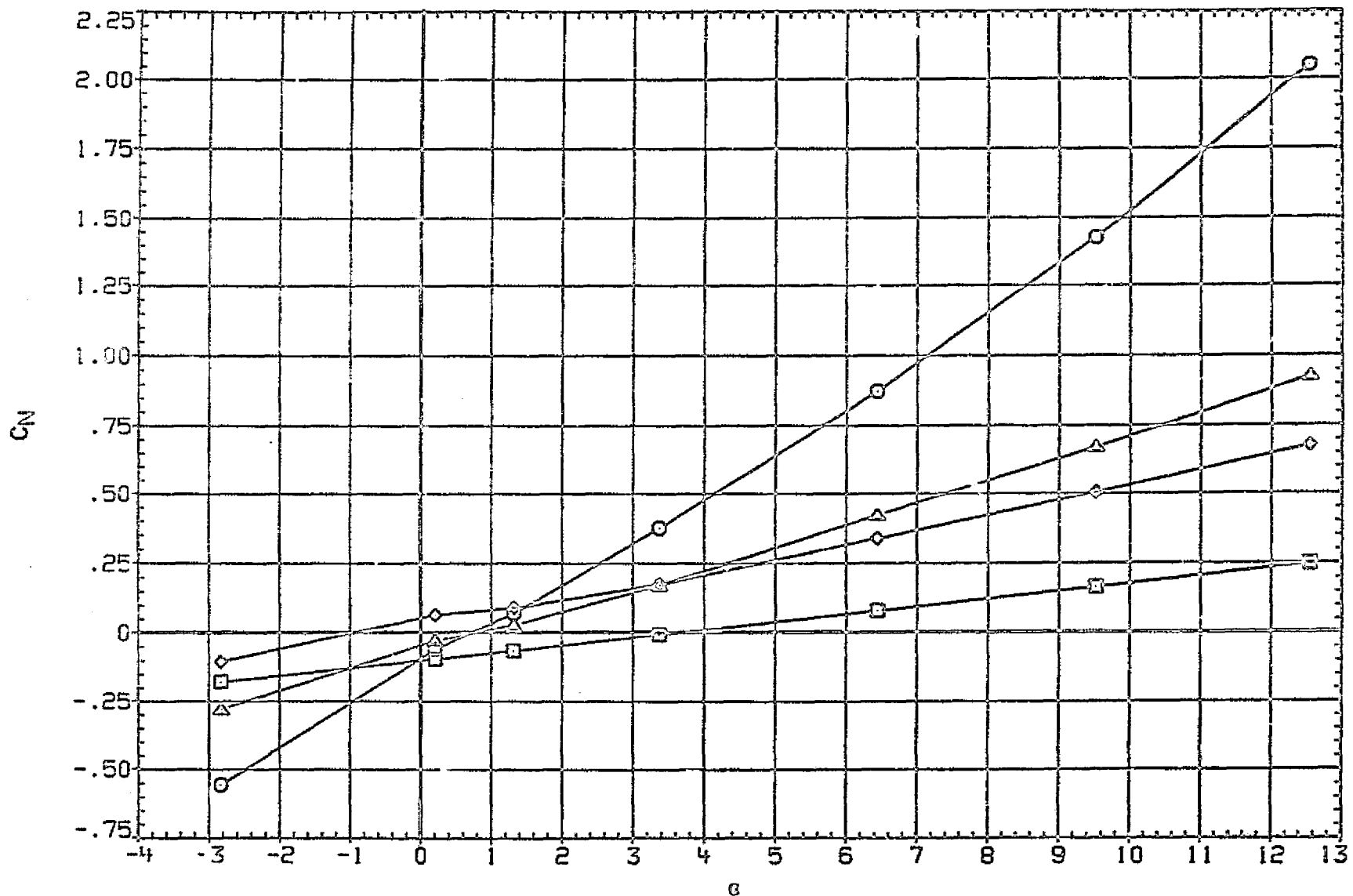


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.993 | BETA | .000 |
| ◇ | CNC | D1 | -3.000 | D3 | -3.000 |
| □ | CNT | D2 | -3.000 | D4 | -3.000 |
| △ | CNB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

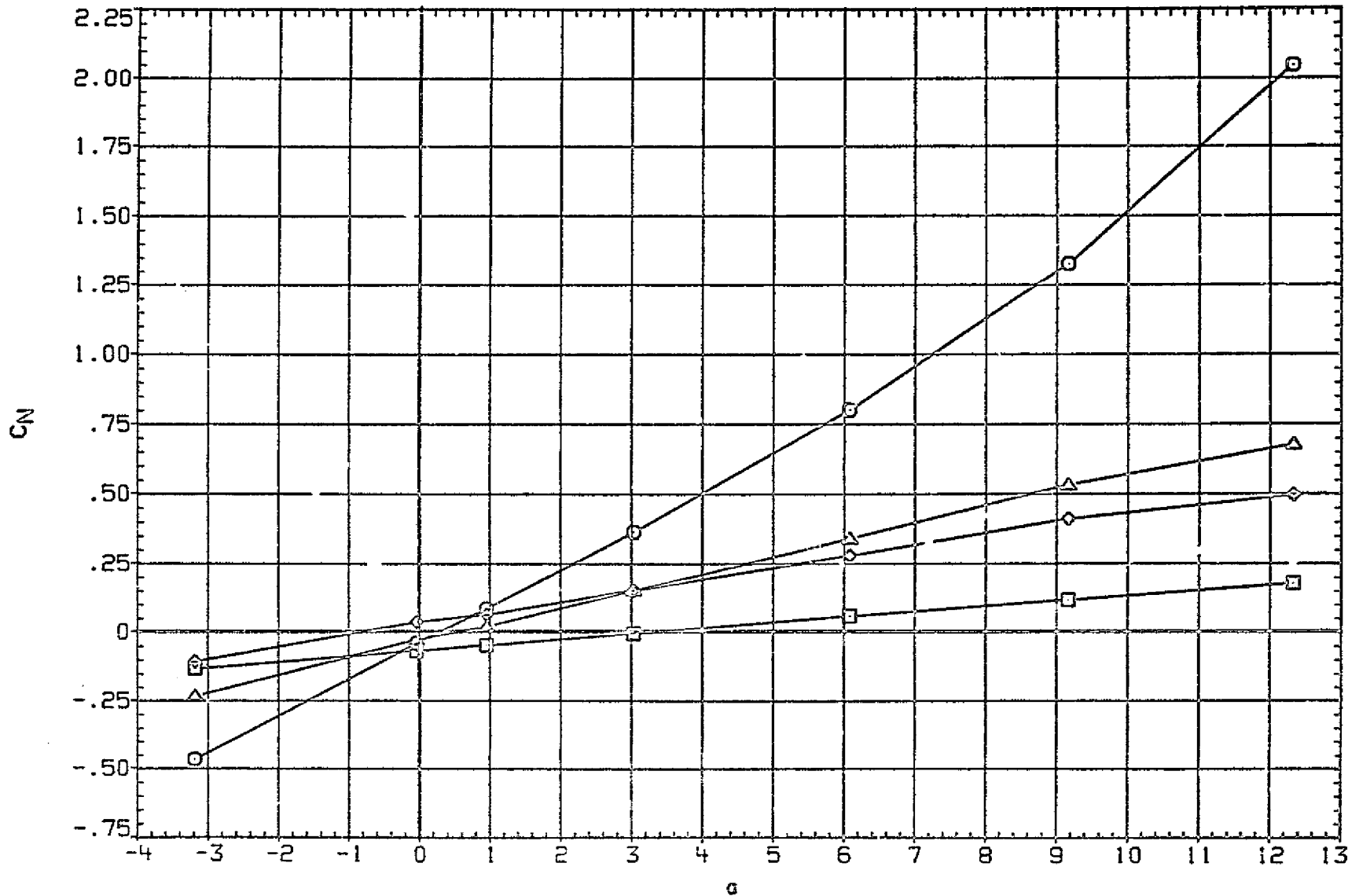


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LE2232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CM | MACH | 1.501 | ETA | .000 |
| ◇ | CMC | D1 | -3.000 | D3 | -3.000 |
| △ | CMT | D2 | -3.000 | D4 | -3.000 |
| □ | CM3 | D1-3 | -3.000 | D2-4 | -3.000 |
| | | FHI-C | 45.000 | FHI-T | .000 |

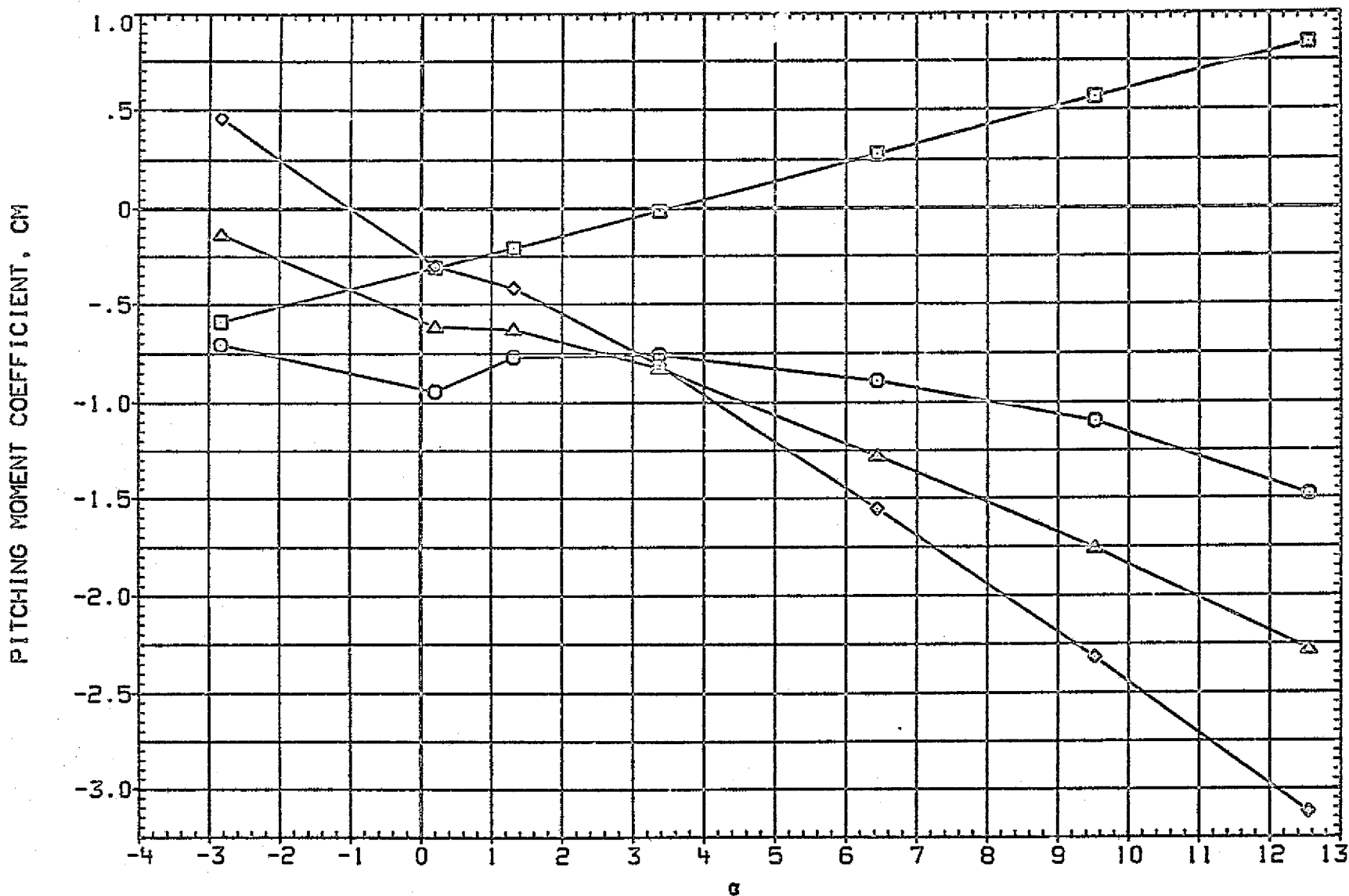


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CM | MACH | 1.993 | BETA | .000 |
| □ | CMC | D1 | -3.000 | D3 | -3.000 |
| ◇ | CNT | D2 | -3.000 | D4 | -3.000 |
| △ | CMB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

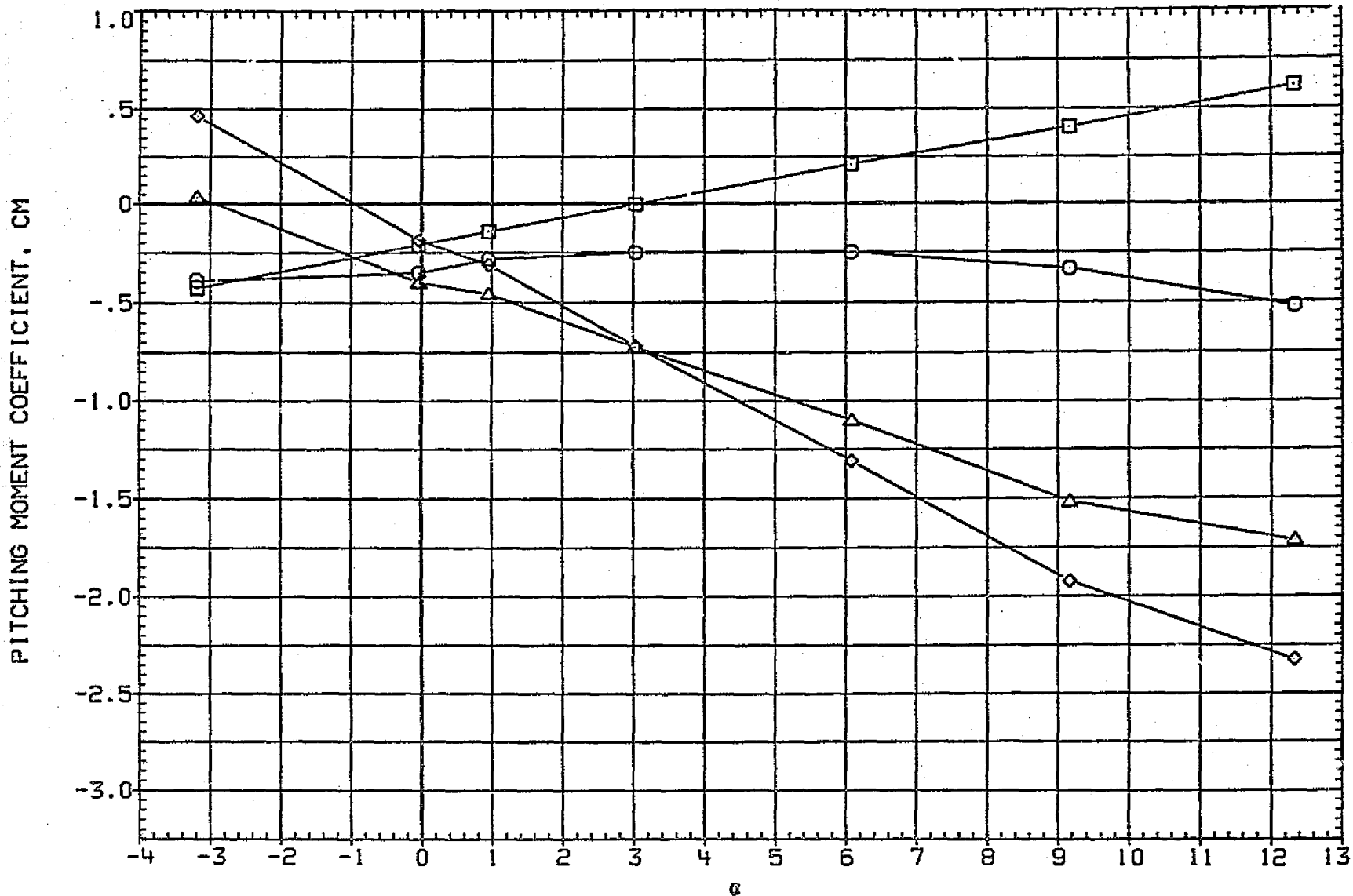


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| O | CA | MACH | 1.501 | BETA | .000 |
| | | D1 | -3.000 | D3 | -3.000 |
| | | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

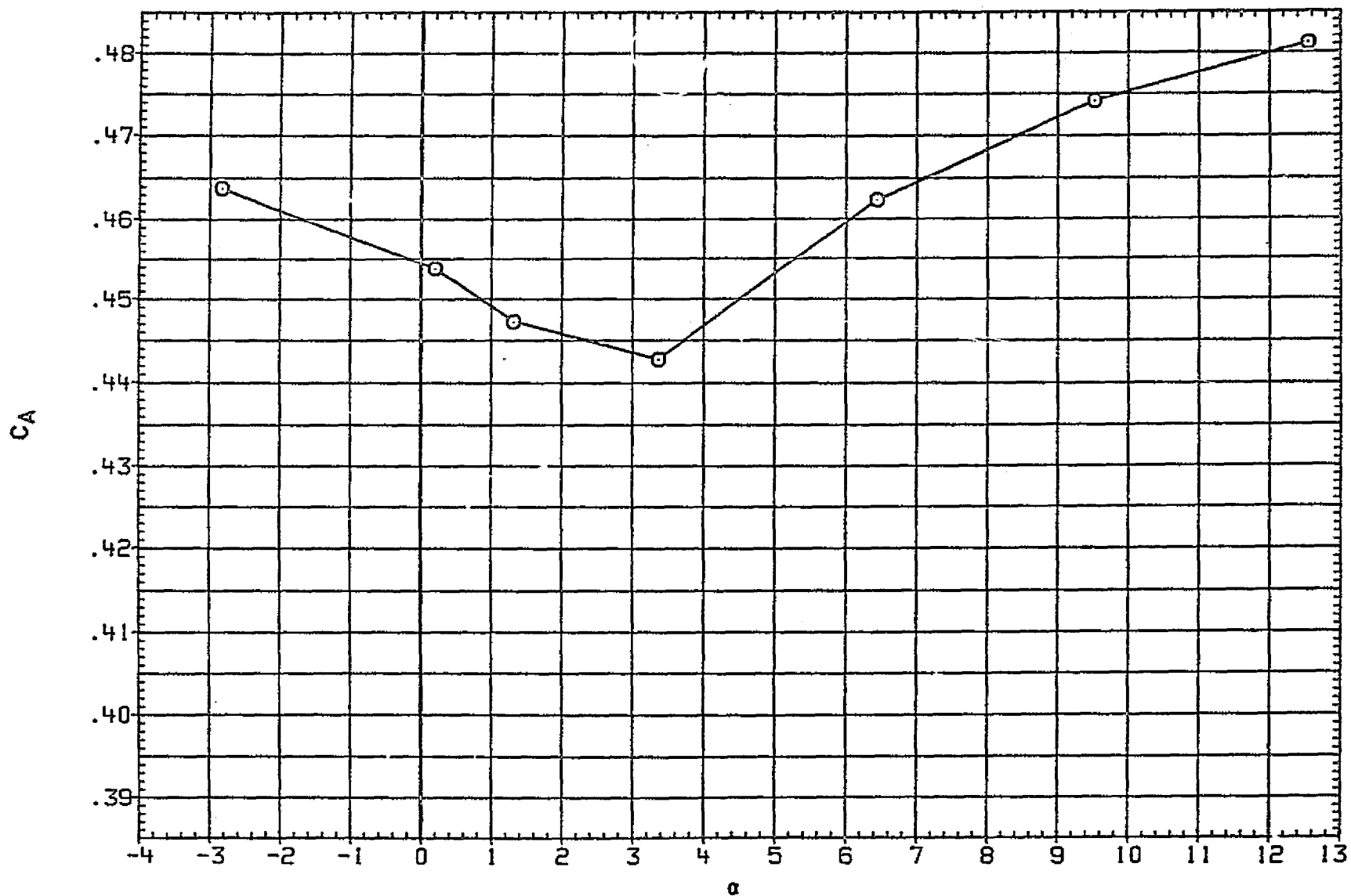


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| O | CA | MACH | 1.993 | BETA | .000 |
| | | D1 | -3.000 | D3 | -3.000 |
| | | D2 | -3.000 | D4 | -3.000 |
| | | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

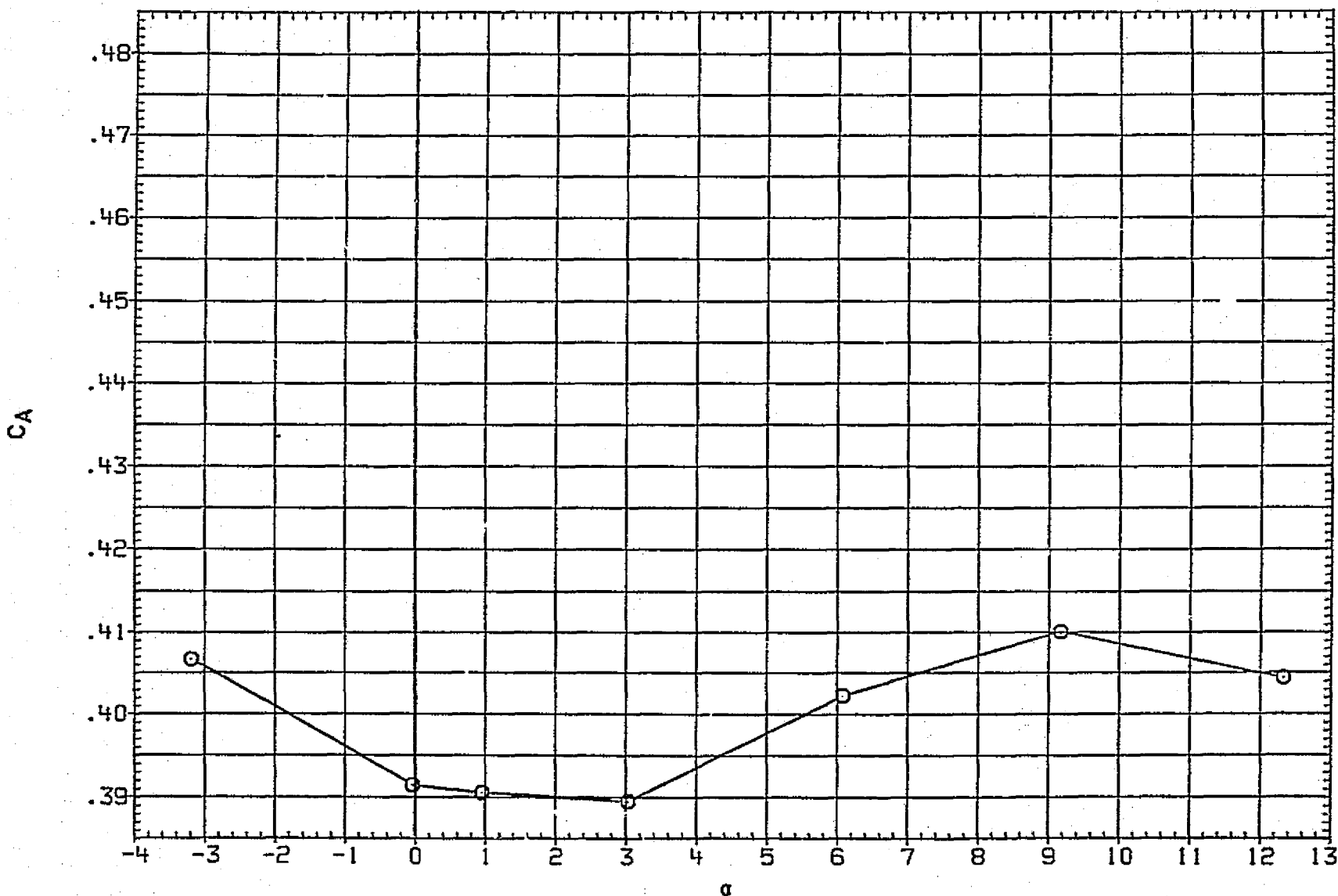


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ232)

CONFIGURATION 13 (BNIC4T1)

SYMBOL DATA

◇
□
△

CY
CYC
CYT
CYB

PARAMETRIC VALUES

| | | | |
|-------|--------|-------|--------|
| MACH | 1.501 | BETA | .000 |
| D1 | -3.000 | D3 | -3.000 |
| D2 | -3.000 | D4 | -3.000 |
| D1-3 | -3.000 | D2-4 | -3.000 |
| FHI-C | 45.000 | FHI-T | .000 |

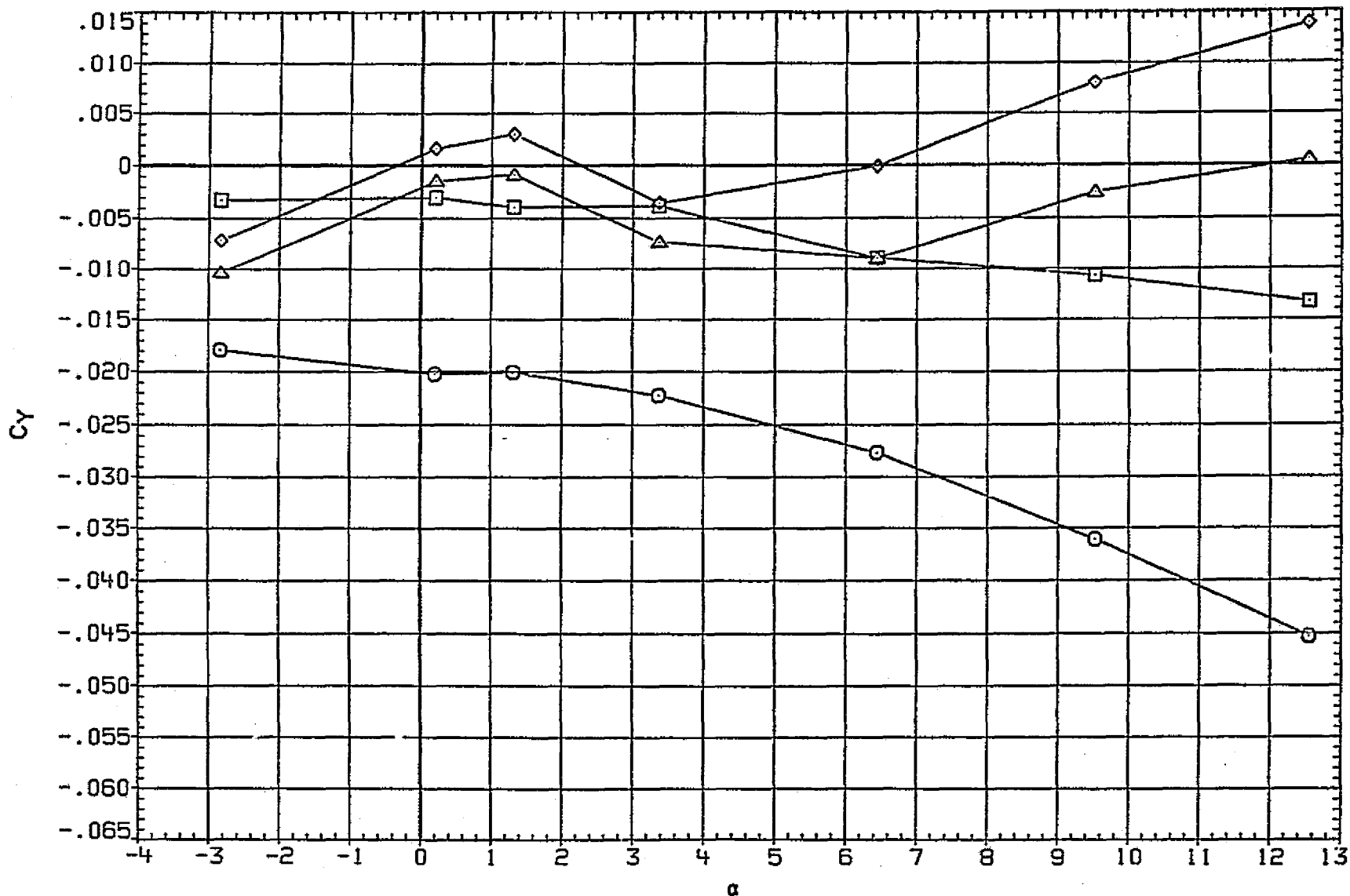


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| □ | CY | MACH | 1.993 | BETA | .000 |
| ◇ | CYC | D1 | -3.000 | D3 | -3.000 |
| △ | CYT | D2 | -3.000 | D4 | -3.000 |
| | CYB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

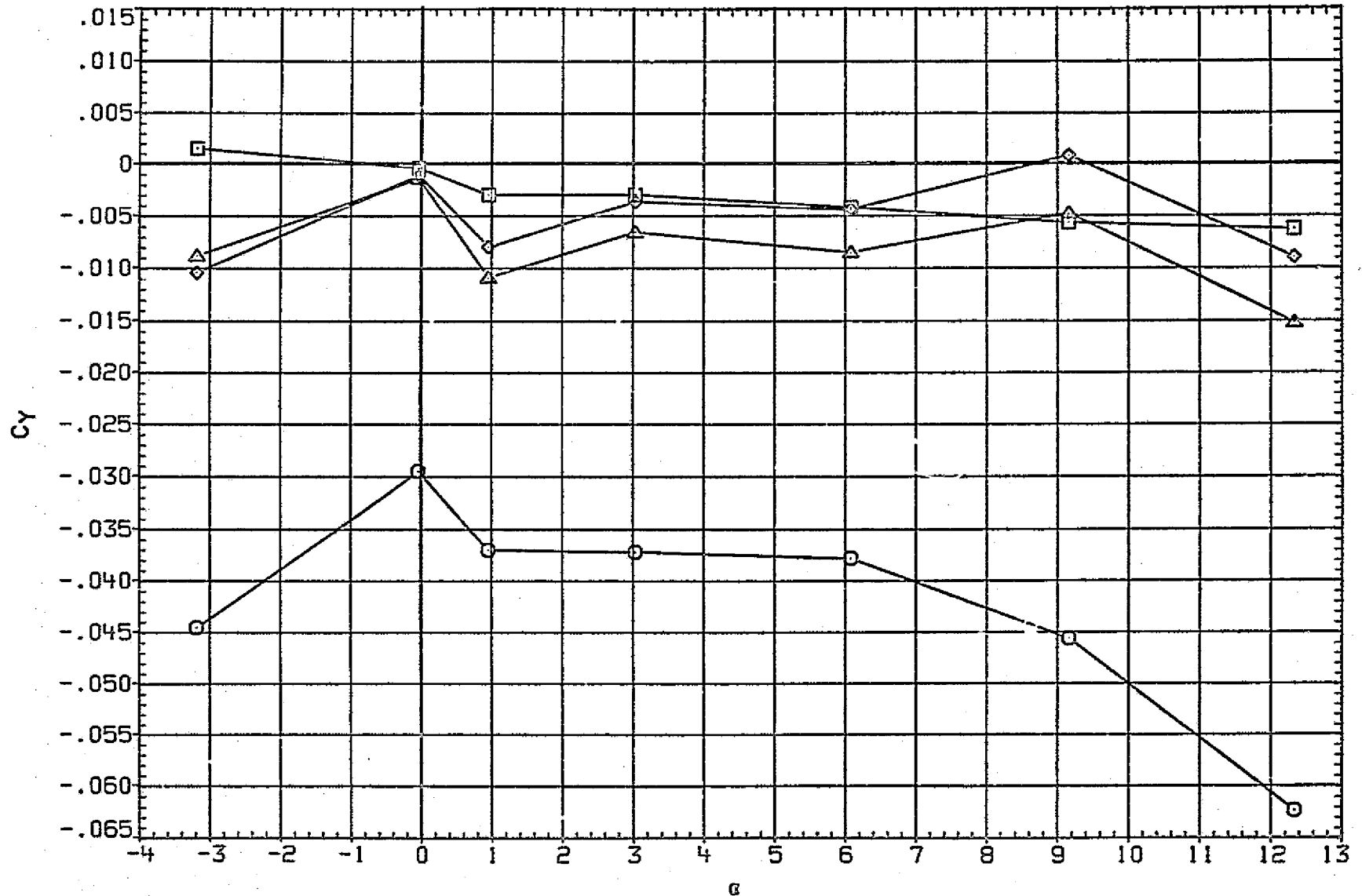


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CYM | MACH | 1.501 | BETA | .000 |
| □ | CYMC | D1 | -3.000 | D3 | -3.000 |
| △ | CYMT | D2 | -3.000 | D4 | -3.000 |
| ○ | CYMB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

YAWING MOMENT COEFFICIENT, CYM

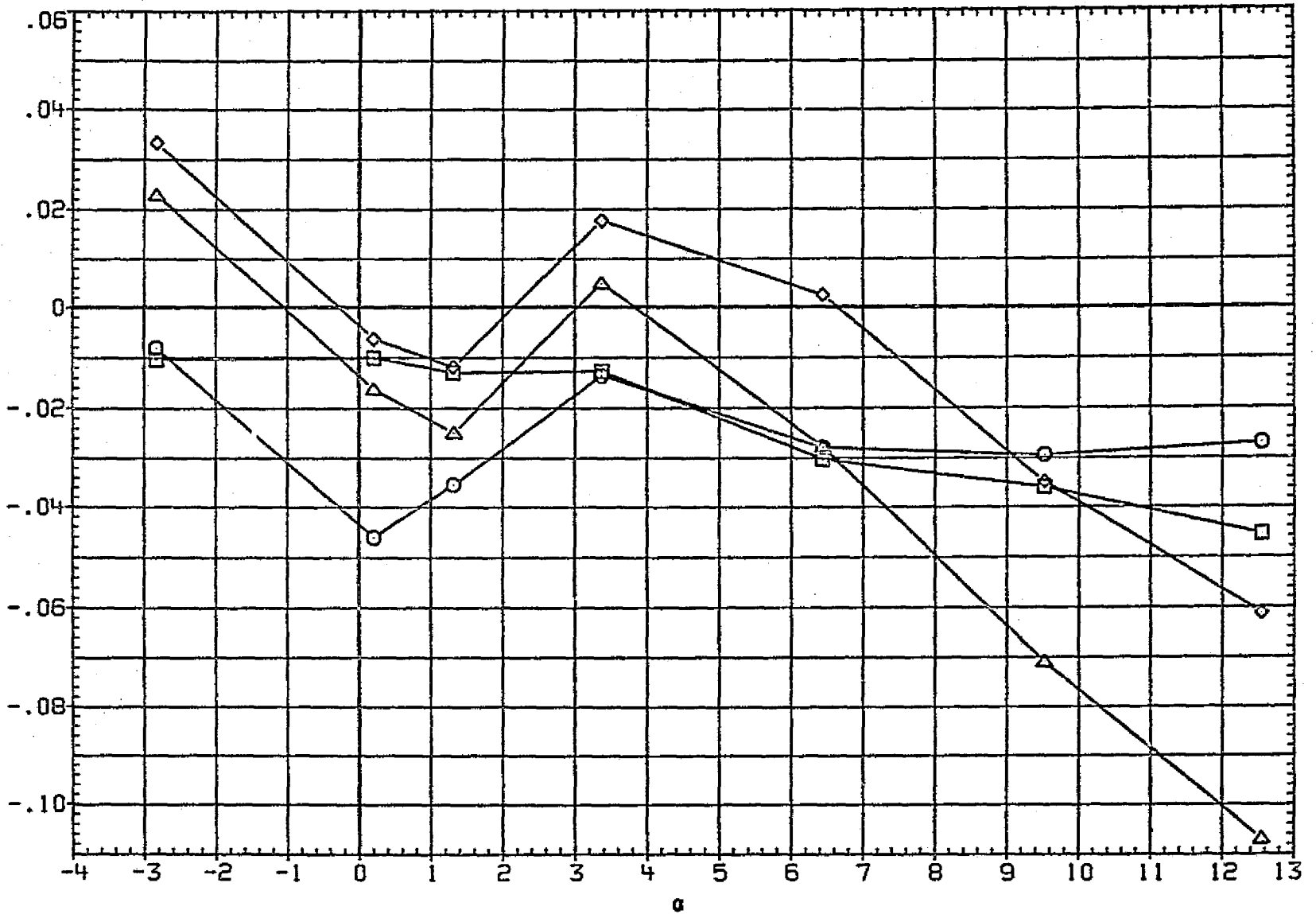


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ232) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ◇ | CYM | MACH | 1.993 | BETA | .000 |
| ○ | CYHC | D1 | -3.000 | D3 | -3.000 |
| △ | CYMT | D2 | -3.000 | D4 | -3.000 |
| □ | CYMB | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

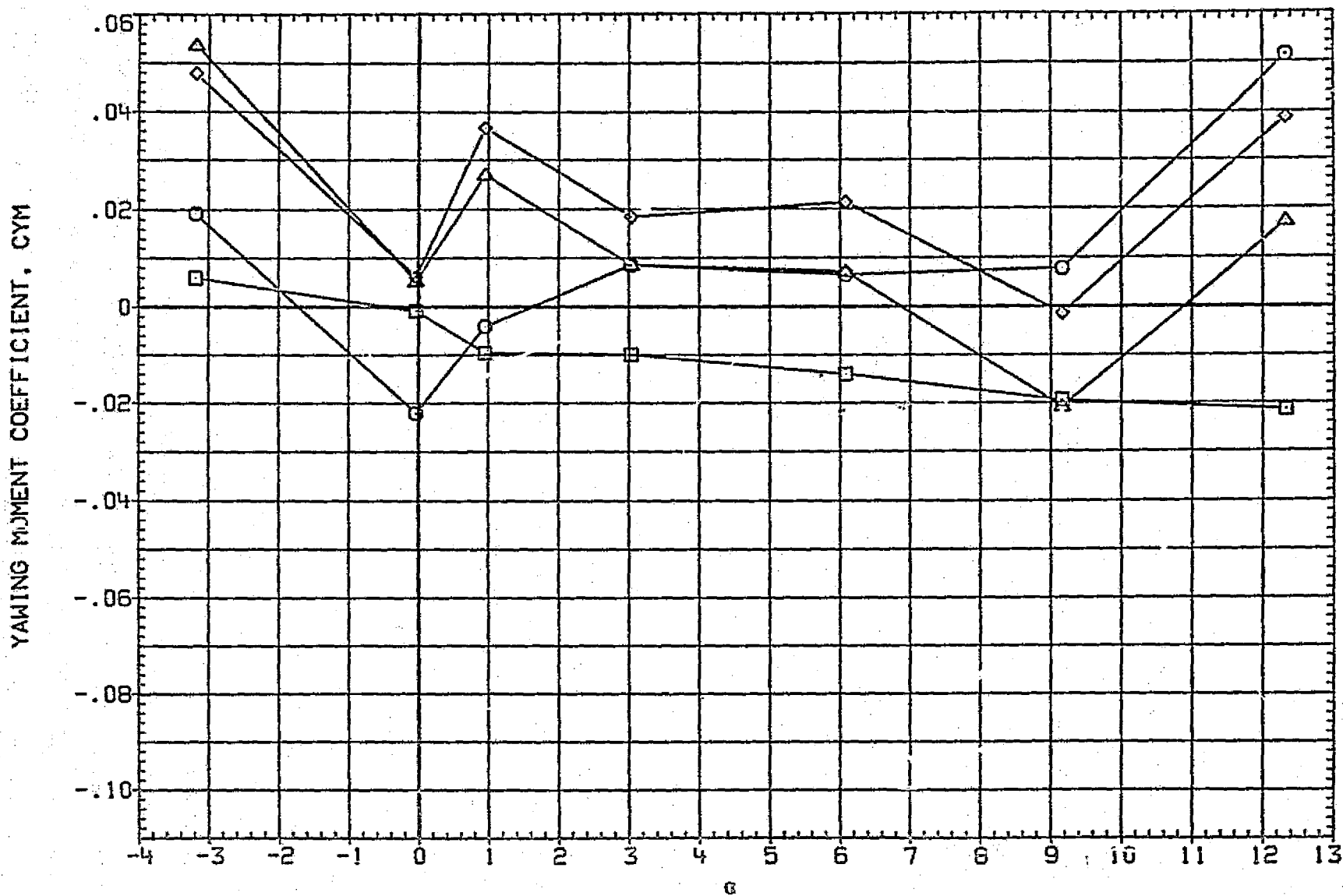


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|--------|
| ○ | CRM | MACH | 1.501 | ETA | .000 |
| □ | CRM C | D1 | -3.000 | D3 | -3.000 |
| ◇ | CRM T | D2 | -3.000 | D4 | -3.000 |
| △ | CRM B | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

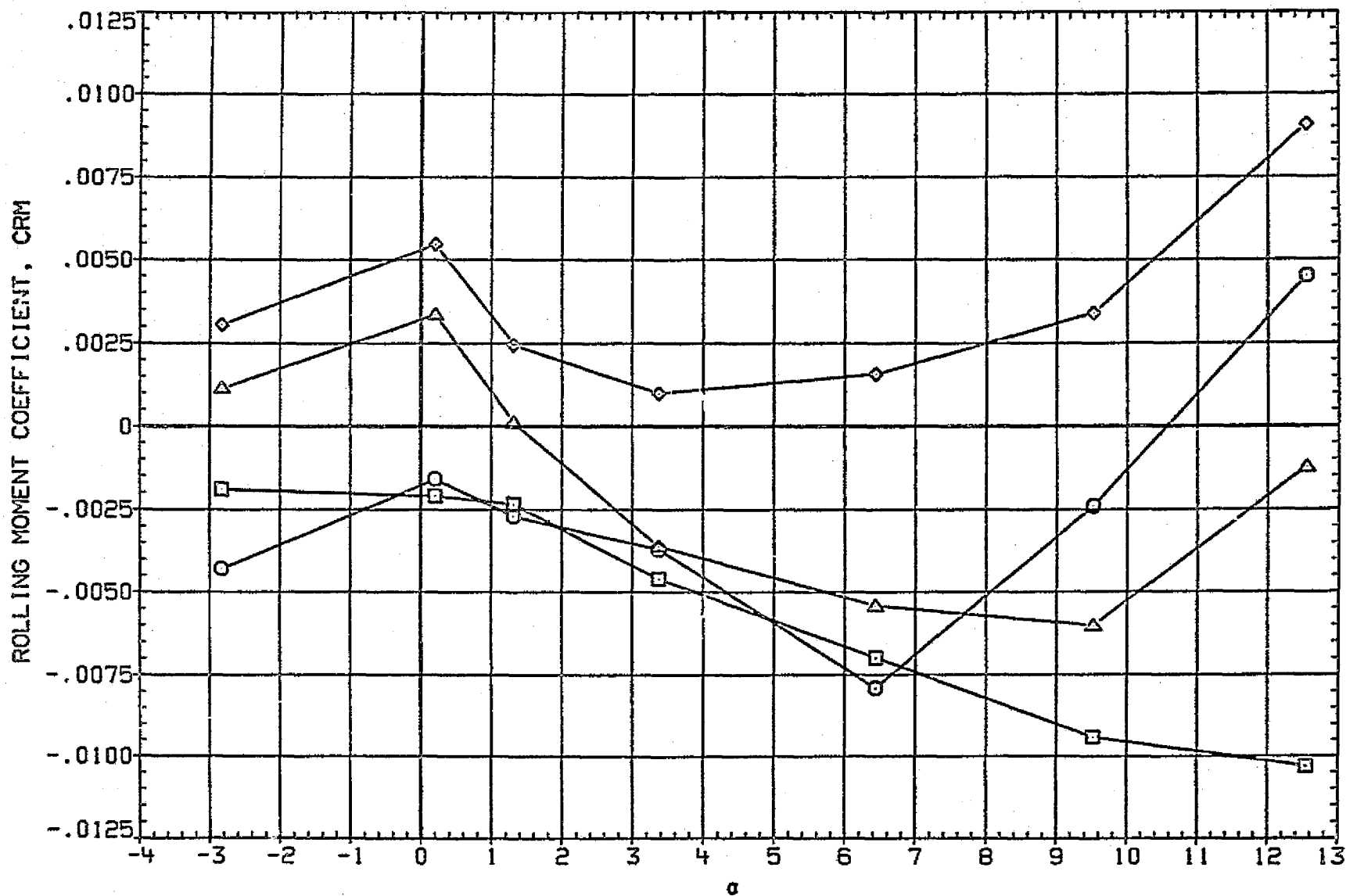


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ232) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|-------|--------|
| □ | CRM | MACH | 1.993 | BETA | .000 |
| ◇ | CRM _C | D1 | -3.000 | D3 | -3.000 |
| △ | CRM _T | D2 | -3.000 | D4 | -3.000 |
| ○ | CRM _B | D1-3 | -3.000 | D2-4 | -3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

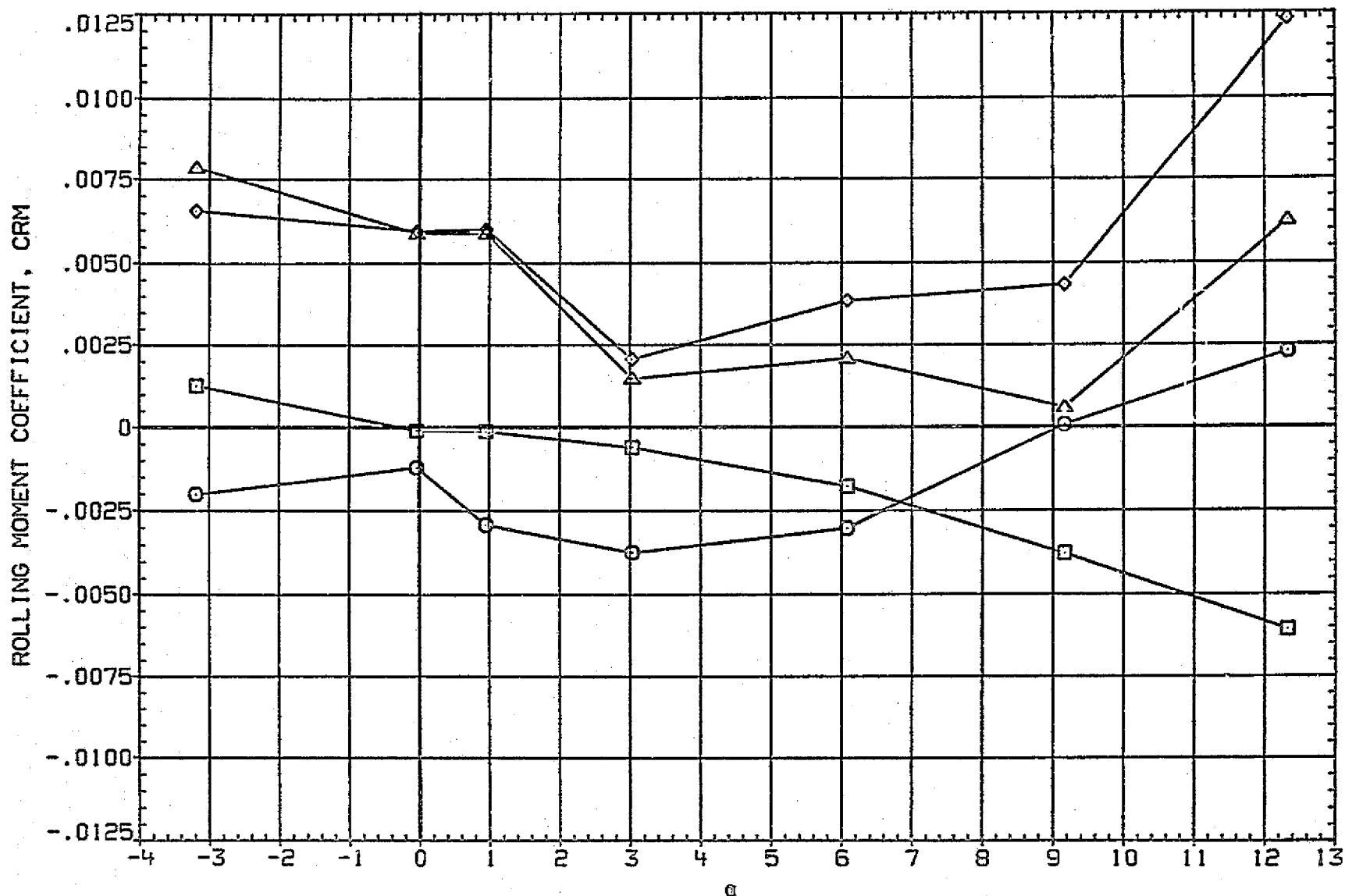


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ233) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CN | MACH | 1.501 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | .000 | D4 | .000 |
| △ | CK3 | D1-3 | .000 | D2-4 | .000 |
| | | FHI-C | 45.000 | FHI-T | .000 |

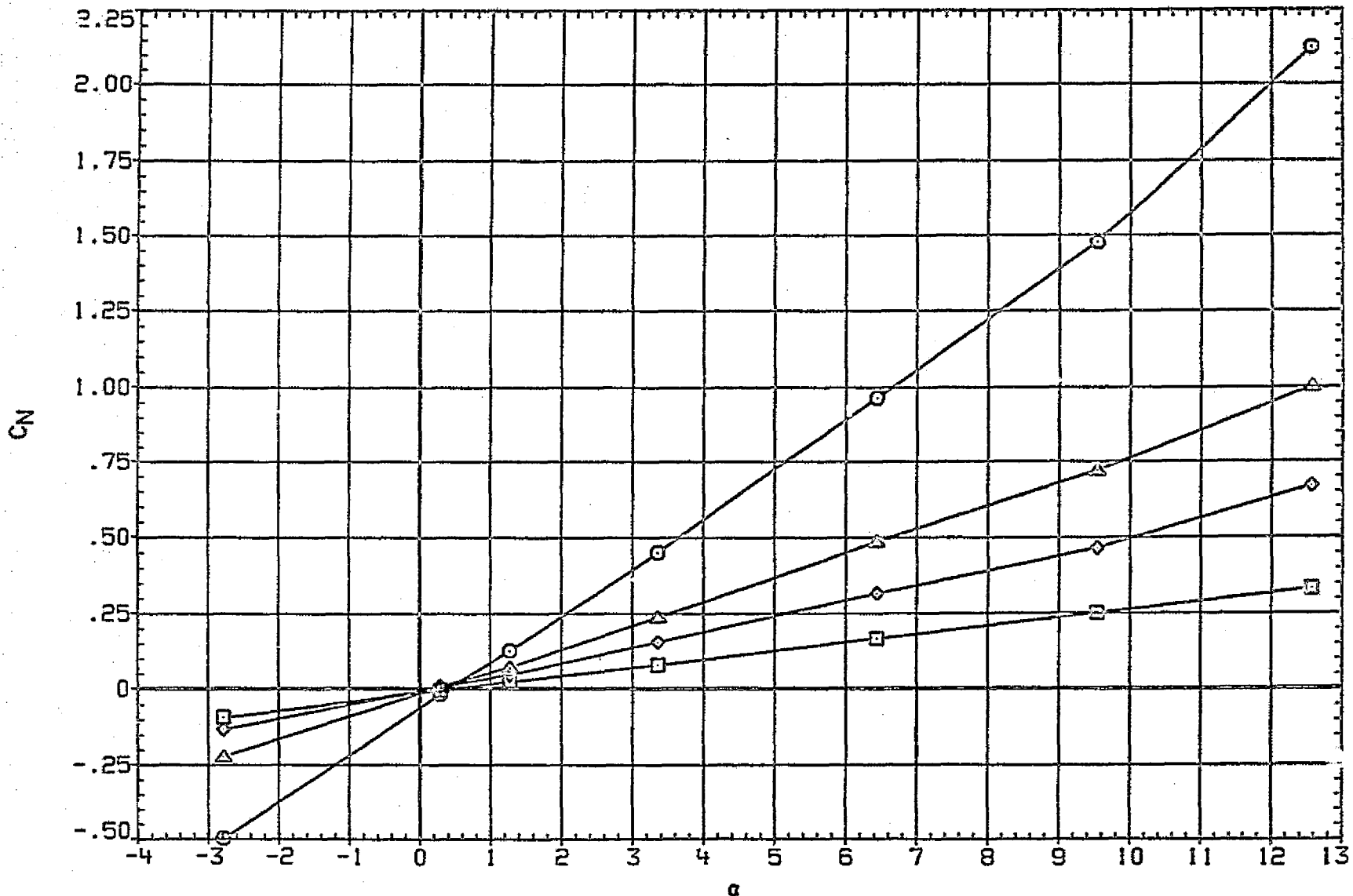


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CN | MACH | 1.993 | BETA | .000 |
| □ | CNC | D1 | .000 | D3 | .000 |
| ◇ | CNT | D2 | .000 | D4 | .000 |
| △ | CNB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

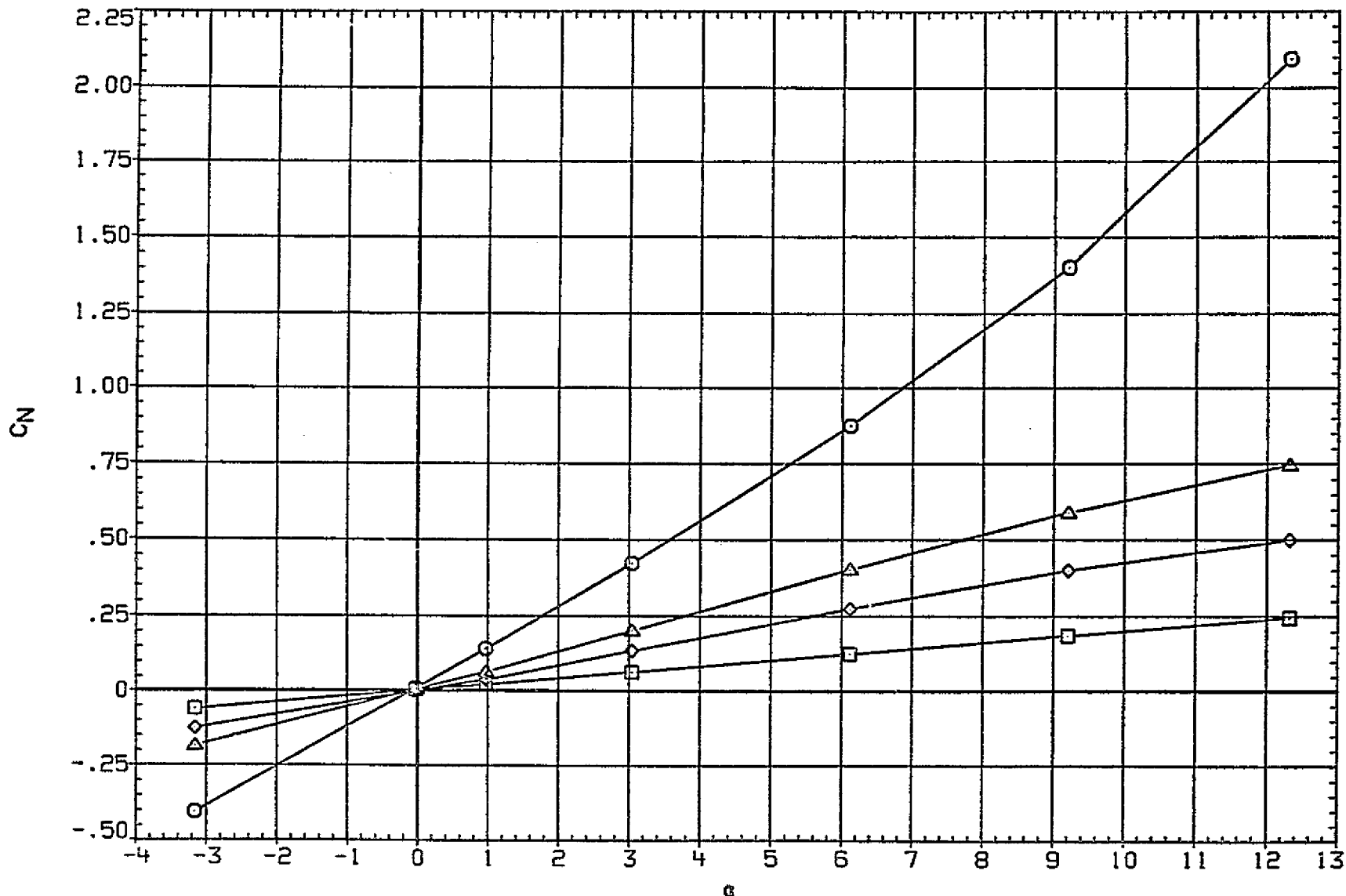


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CM | MACH | 1.501 | BETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| ◇ | CHT | D2 | .000 | D4 | .000 |
| △ | CNE | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

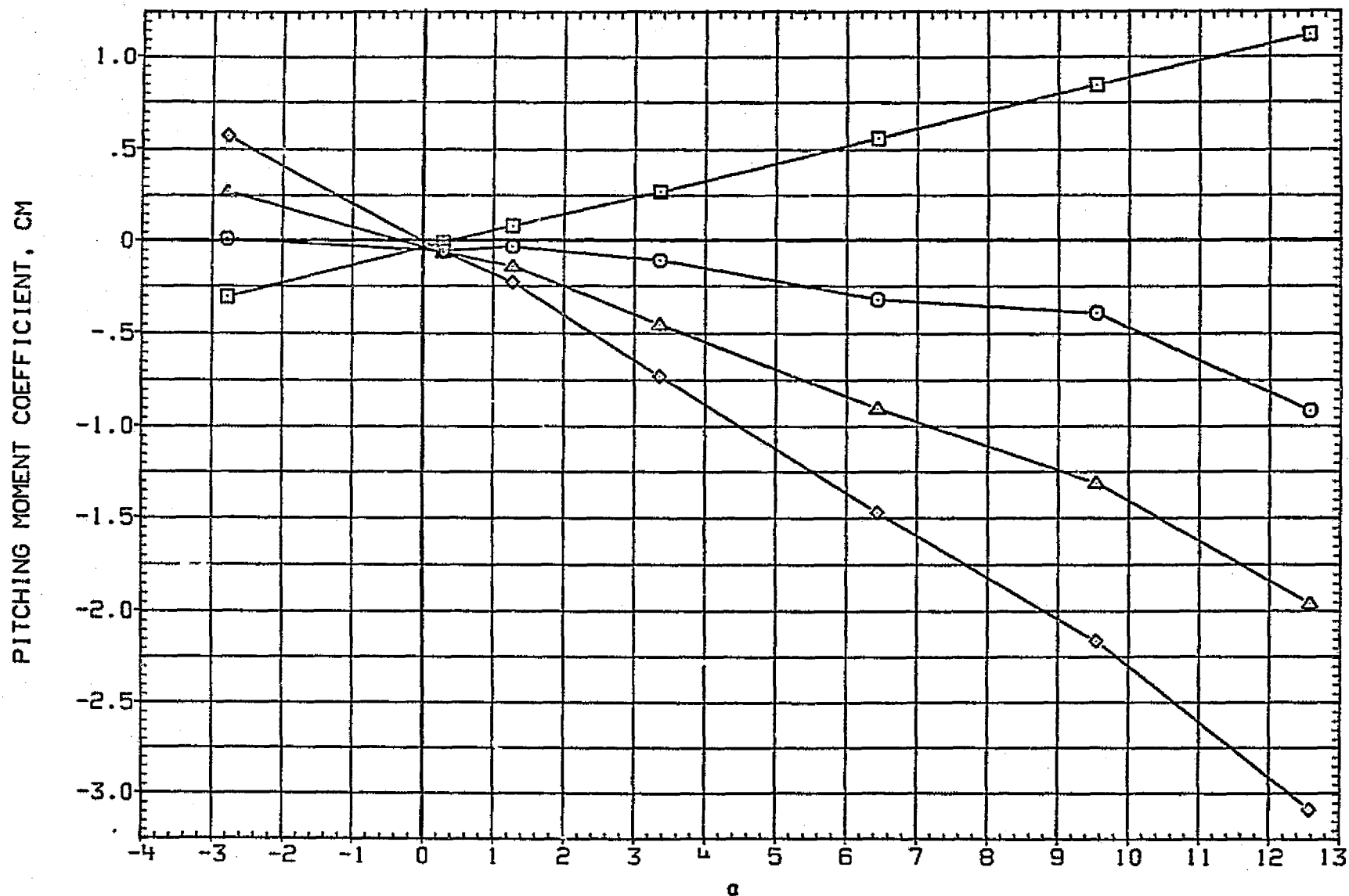


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ◇ | CM | MACH | 1.993 | BETA | .000 |
| □ | CMC | D1 | .000 | D3 | .000 |
| ○ | CHT | D2 | .000 | D4 | .000 |
| △ | CM3 | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

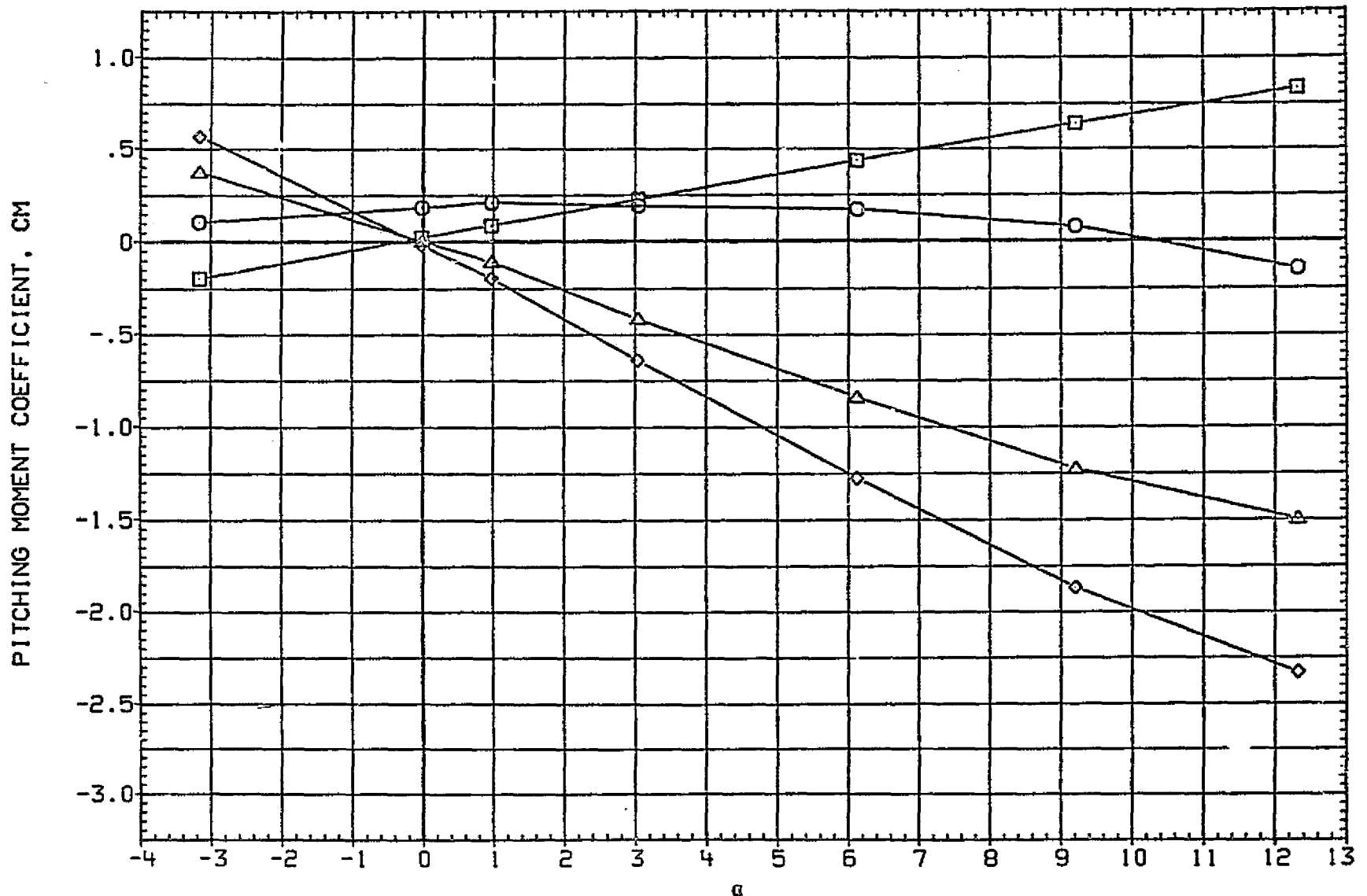


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| O | CA | MACH | 1.501 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

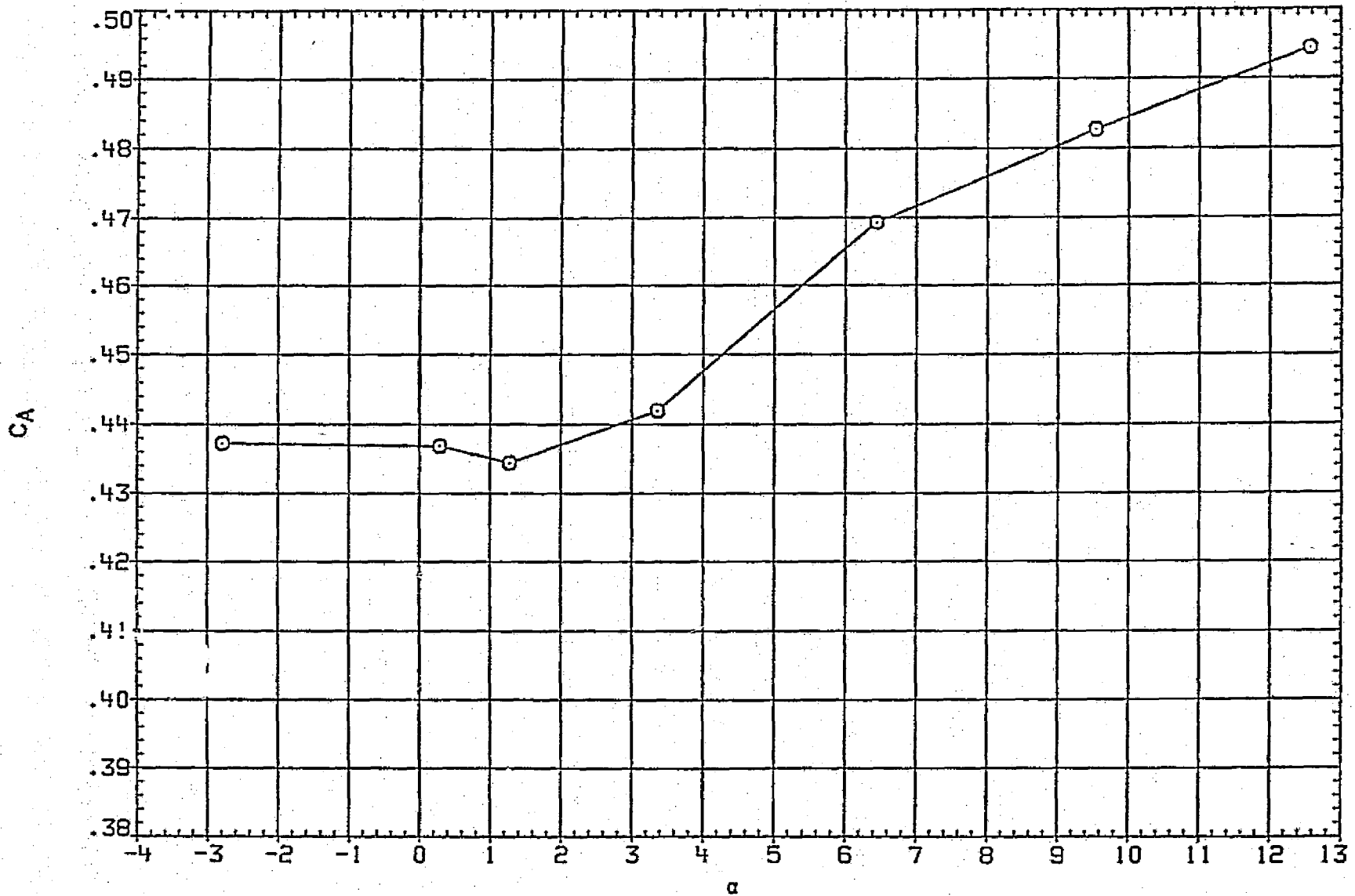


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ233) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| O | CA | MACH | 1.993 | BETA | .000 |
| | | D1 | .000 | D3 | .000 |
| | | D2 | .000 | D4 | .000 |
| | | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

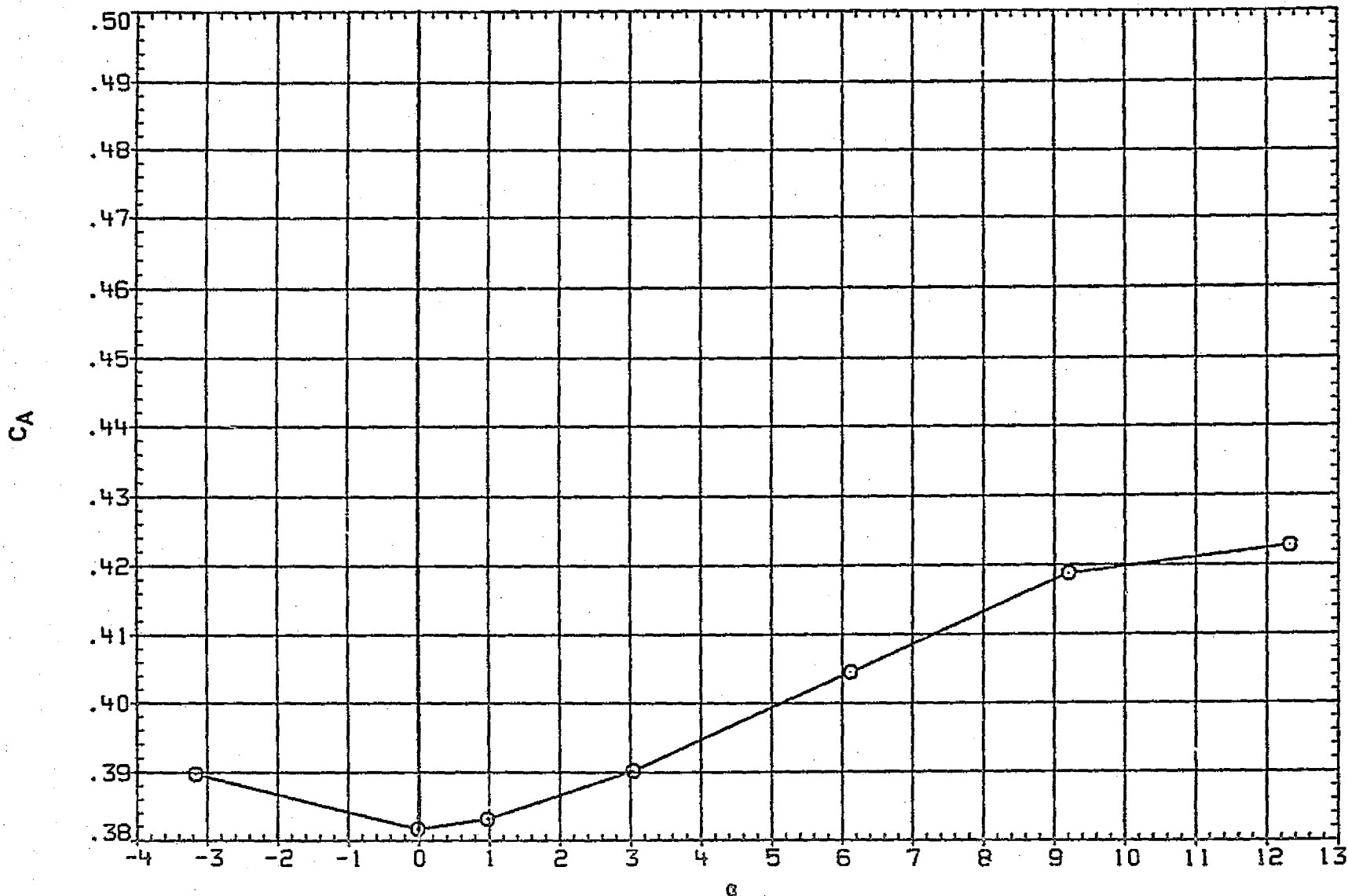


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CY | MACH | 1.501 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ◇ | CYT | D2 | .000 | D4 | .000 |
| △ | CYB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

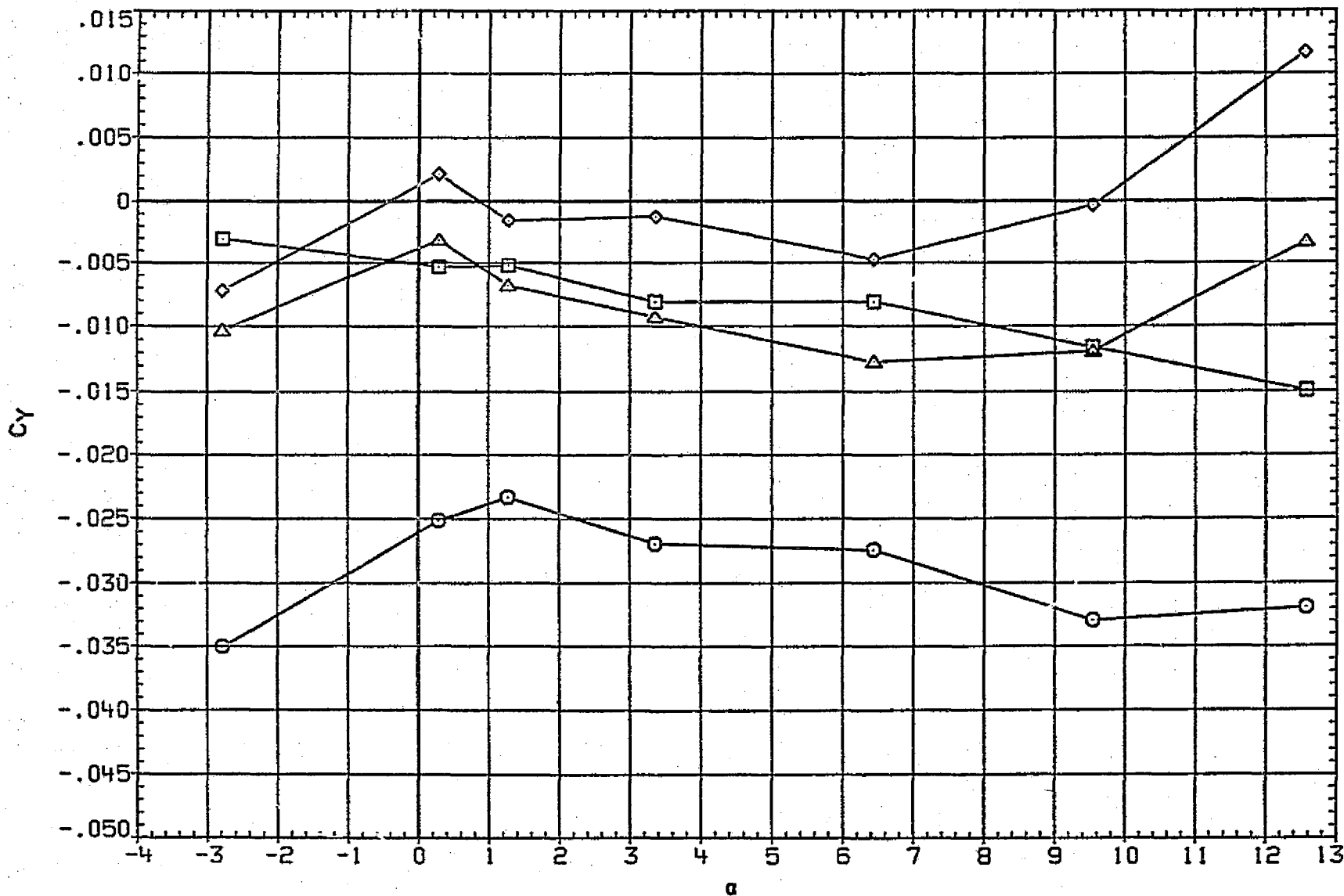


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CY | MACH | 1.993 | BETA | .000 |
| □ | CYC | D1 | .000 | D3 | .000 |
| ◇ | CYT | D2 | .000 | D4 | .000 |
| △ | CYB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

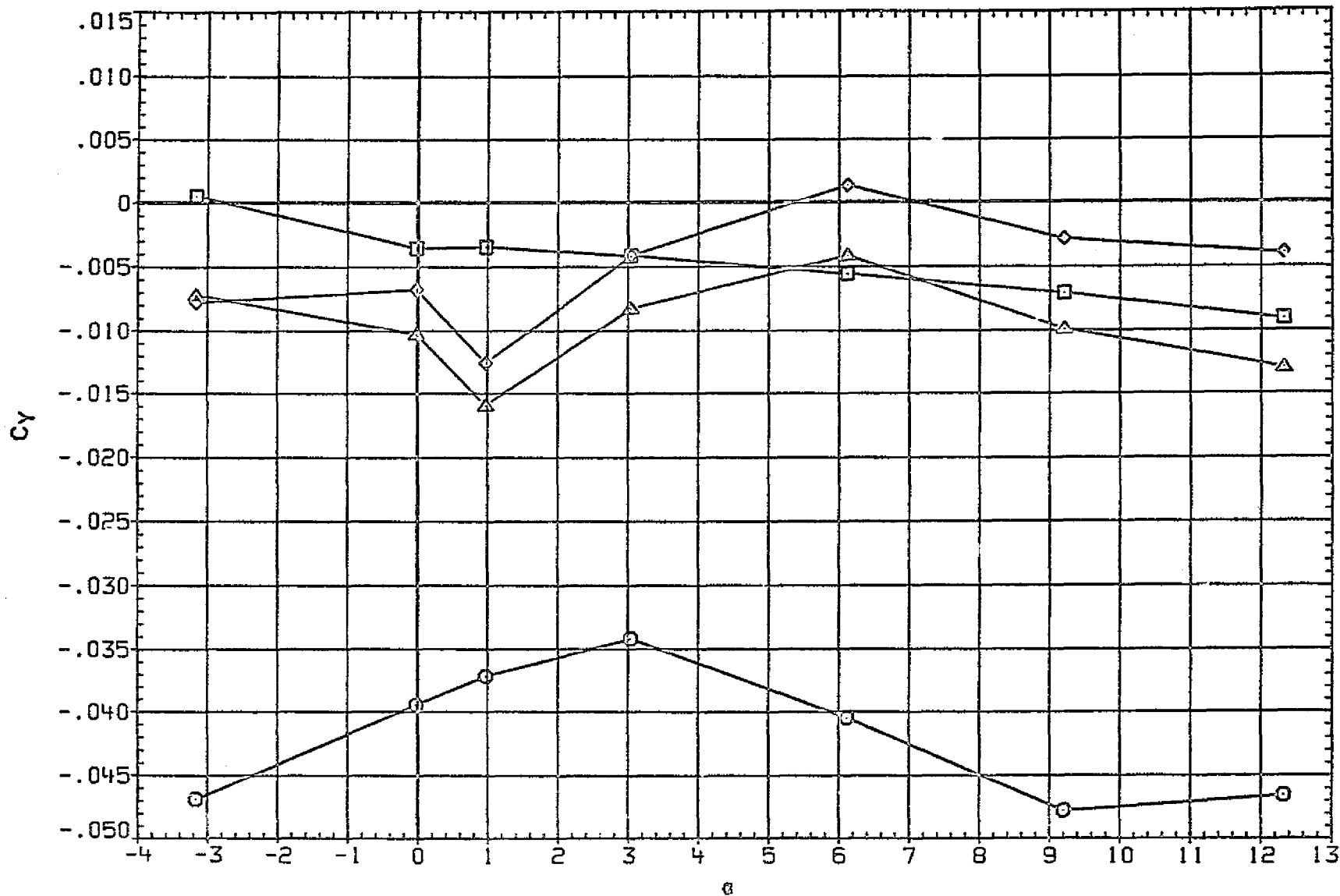


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(ME2233) CONFIGURATION 13 (8N1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ◇ | CYM | MACH | 1.501 | BETA | .000 |
| □ | CYMC | D1 | .000 | D3 | .000 |
| ○ | CYHT | D2 | .000 | D4 | .000 |
| △ | CYMB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

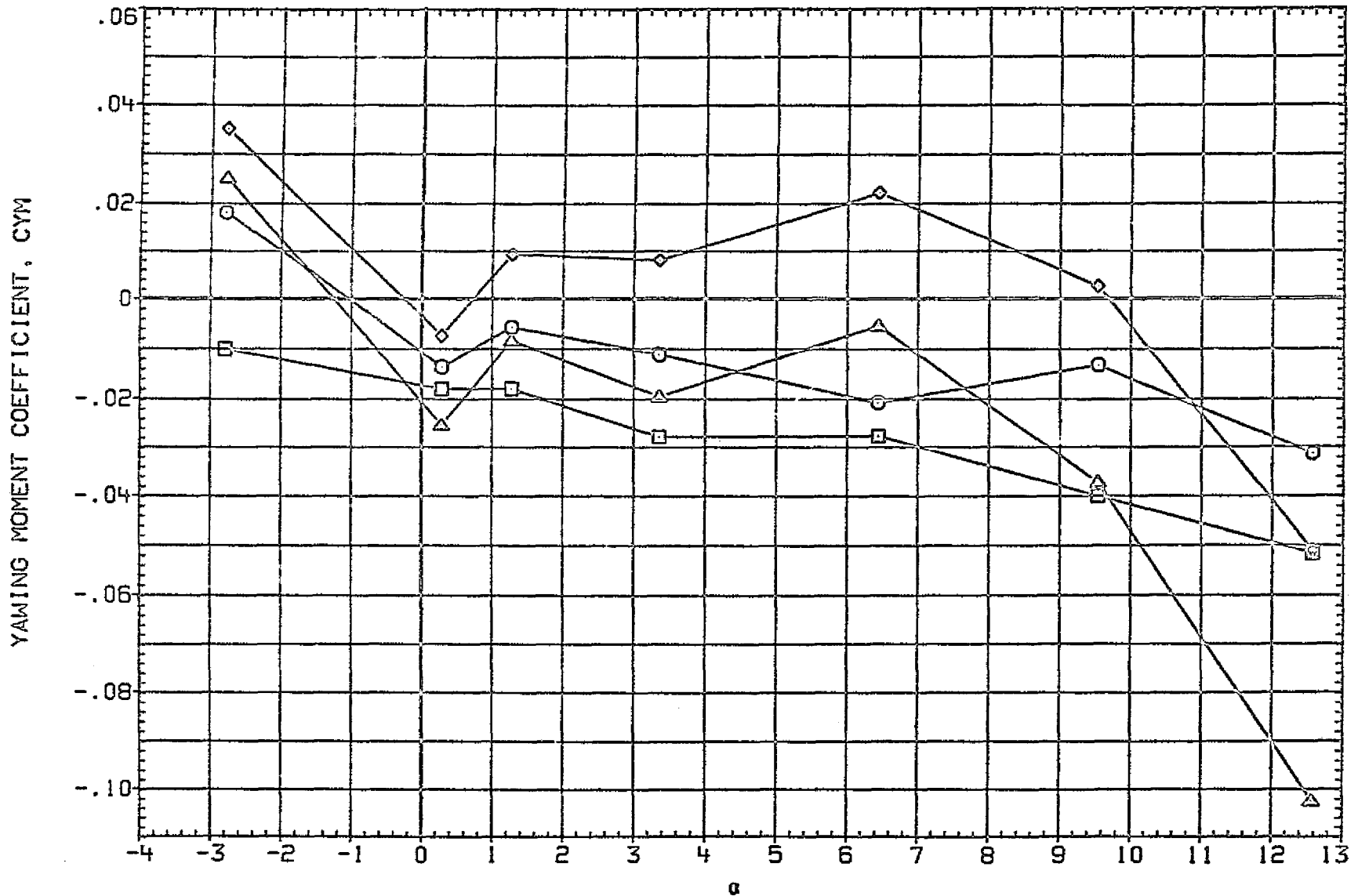


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ○ | CYM | MACH | 1.993 | BETA | .000 |
| □ | CYMC | D1 | .000 | D3 | .000 |
| ◇ | CYMT | D2 | .000 | D4 | .000 |
| △ | CYB | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

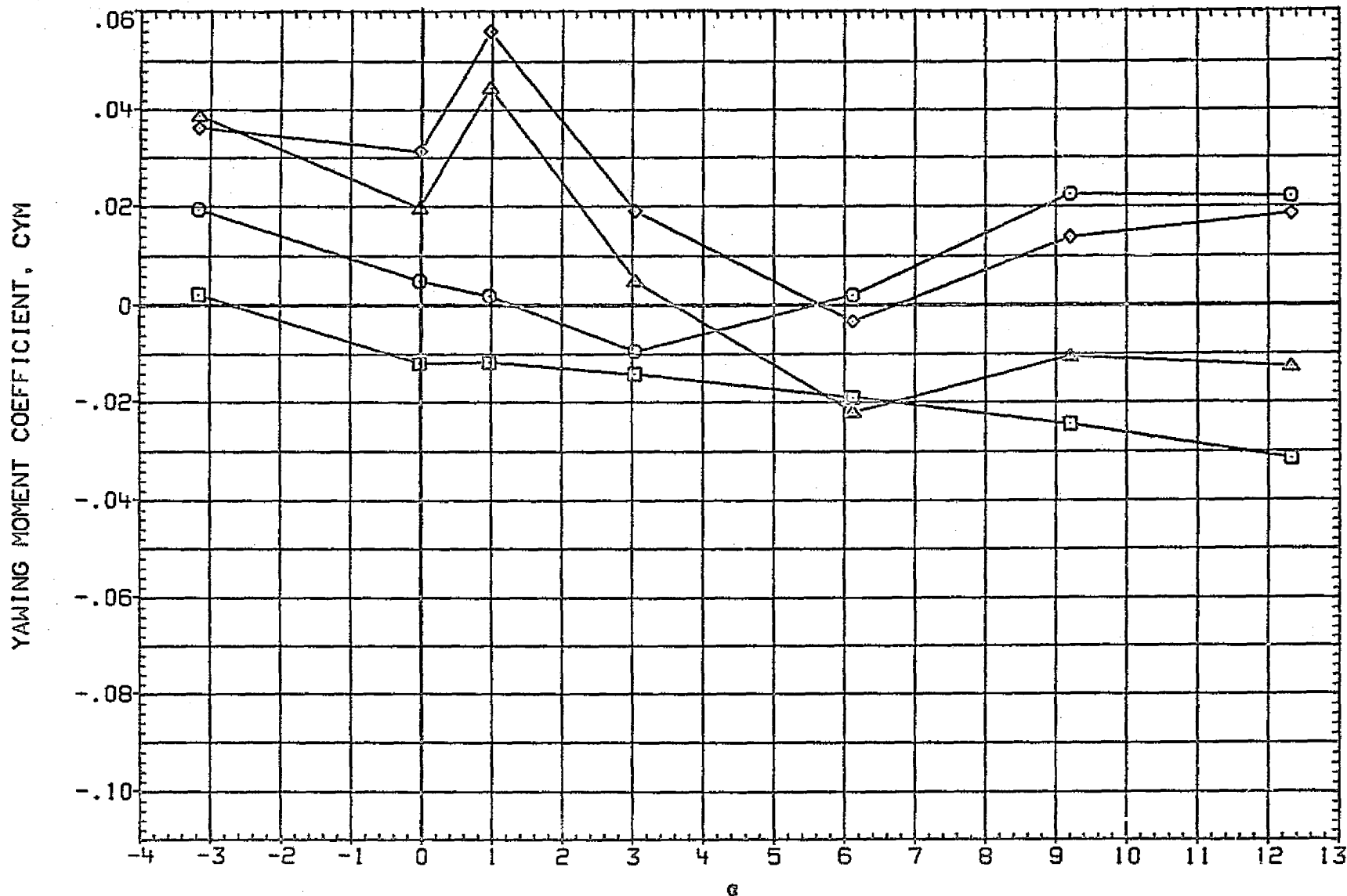


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|------|
| ◇◇◇ | CRM | MACH | 1.501 | BETA | .000 |
| ◇◇◇ | CRM2 | D1 | .000 | D3 | .000 |
| ◇◇◇ | CRM1 | D2 | .000 | D4 | .000 |
| ◇◇◇ | CRM3 | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

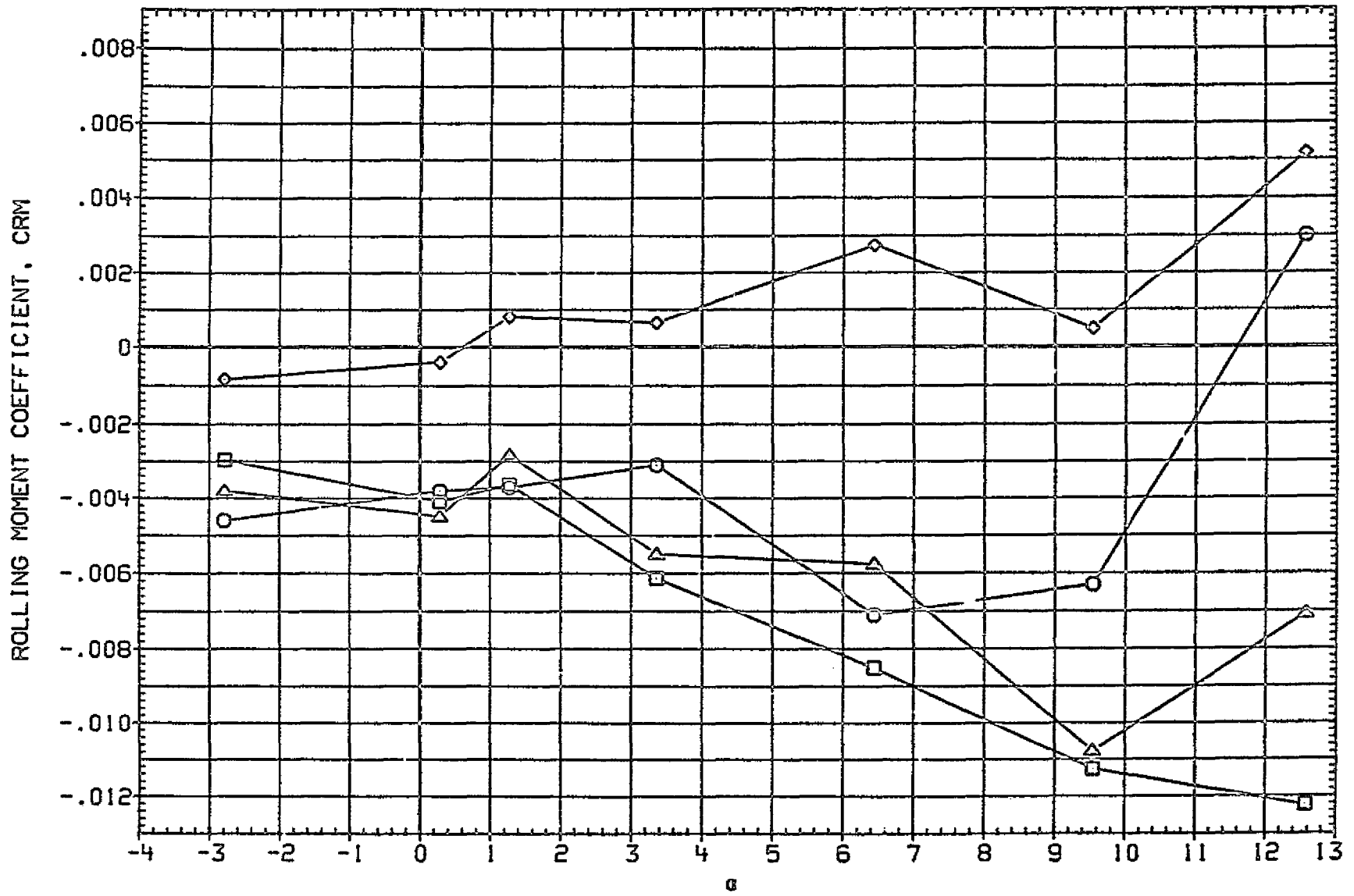


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NE2233) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|------|
| ○ | CRM | MACH | 1.993 | BETA | .000 |
| □ | CRM/C | D1 | .000 | D3 | .000 |
| ◇ | CRM/T | D2 | .000 | D4 | .000 |
| △ | CRM/S | D1-3 | .000 | D2-4 | .000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

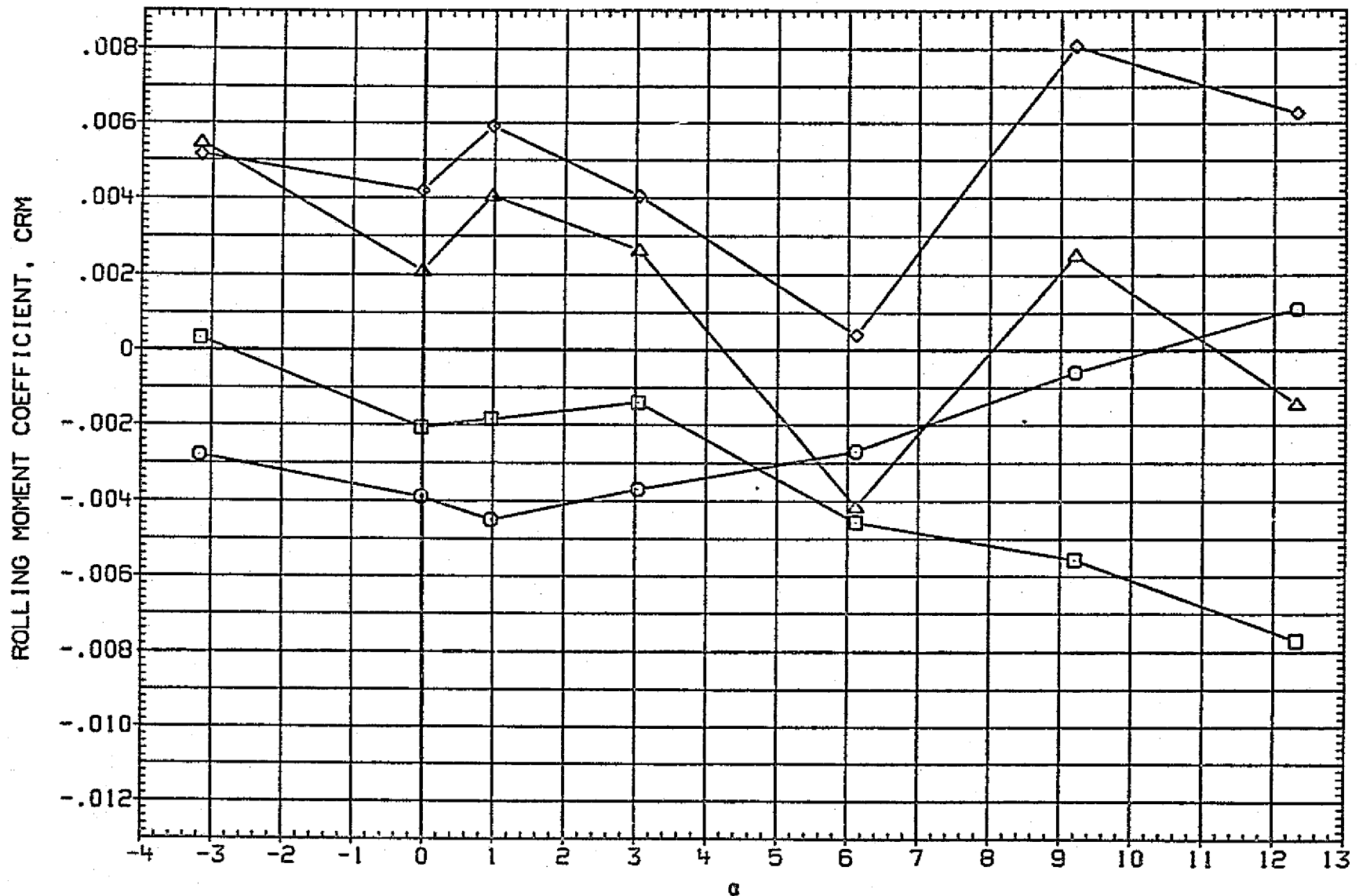


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ234) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MACH | 1.502 | BETA | .000 |
| ◇ | CNC | D1 | 1.000 | D3 | 1.000 |
| △ | CNT | D2 | 1.000 | D4 | 1.000 |
| □ | CN3 | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

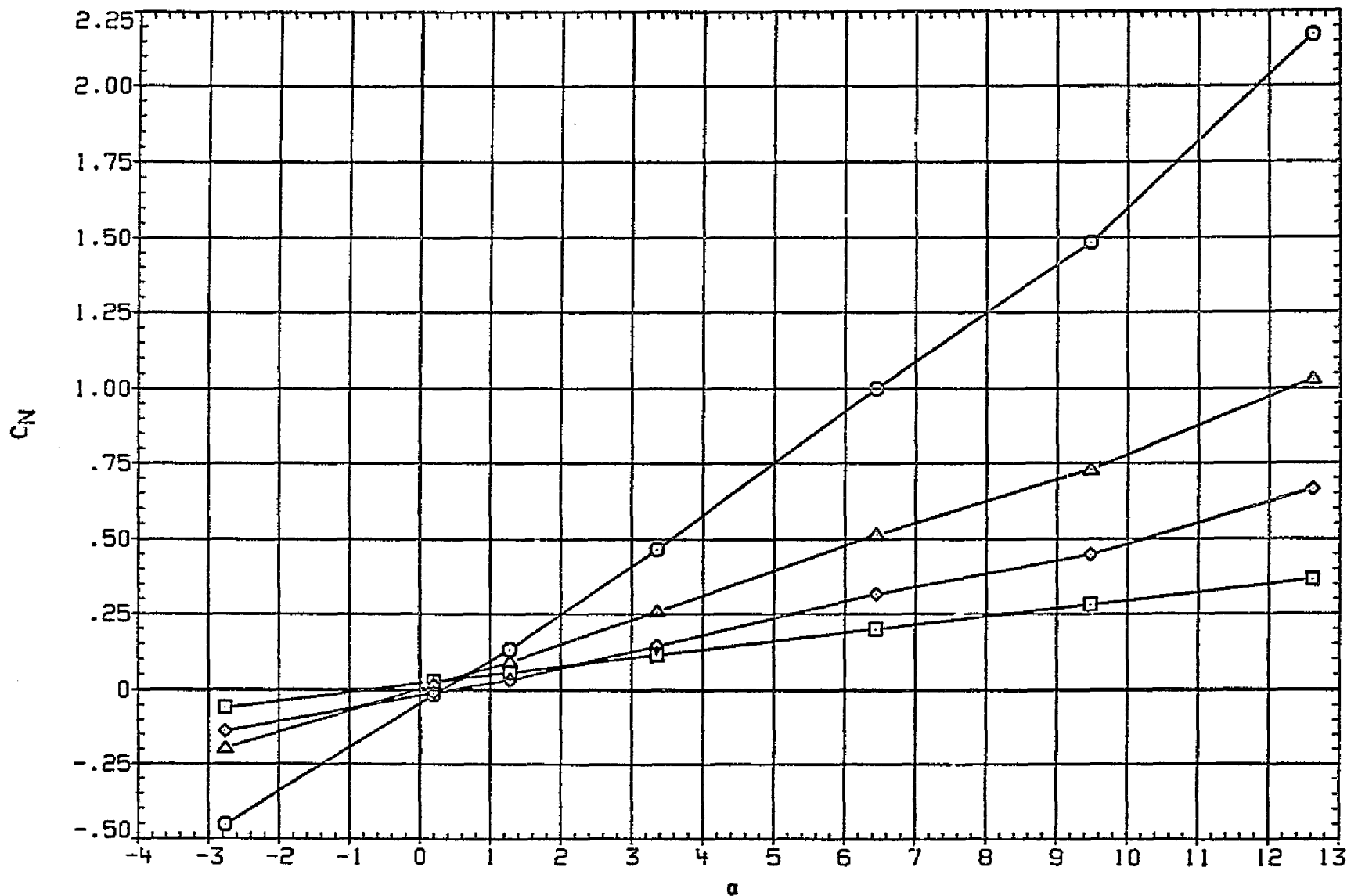


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ234) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MACH | 1.992 | BETA | .000 |
| □ | CNC | D1 | 1.000 | D3 | 1.000 |
| ◇ | CNT | D2 | 1.000 | D4 | 1.000 |
| △ | CNB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

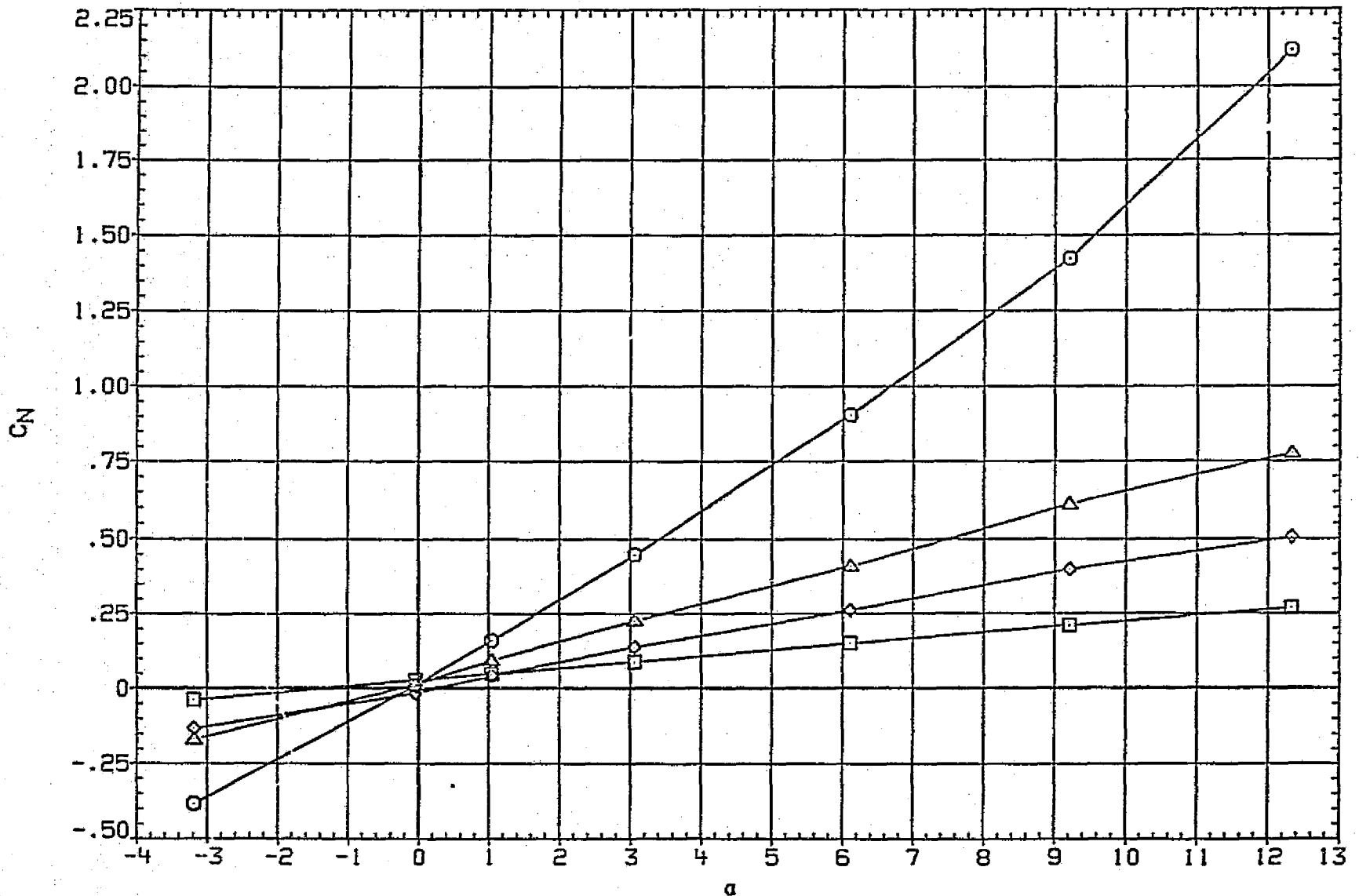


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LE2234) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| □ | CM | MACH | 1.502 | BETA | .000 |
| ◇ | CMC | D1 | 1.000 | D3 | 1.000 |
| △ | CHT | D2 | 1.000 | D4 | 1.000 |
| | CHB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

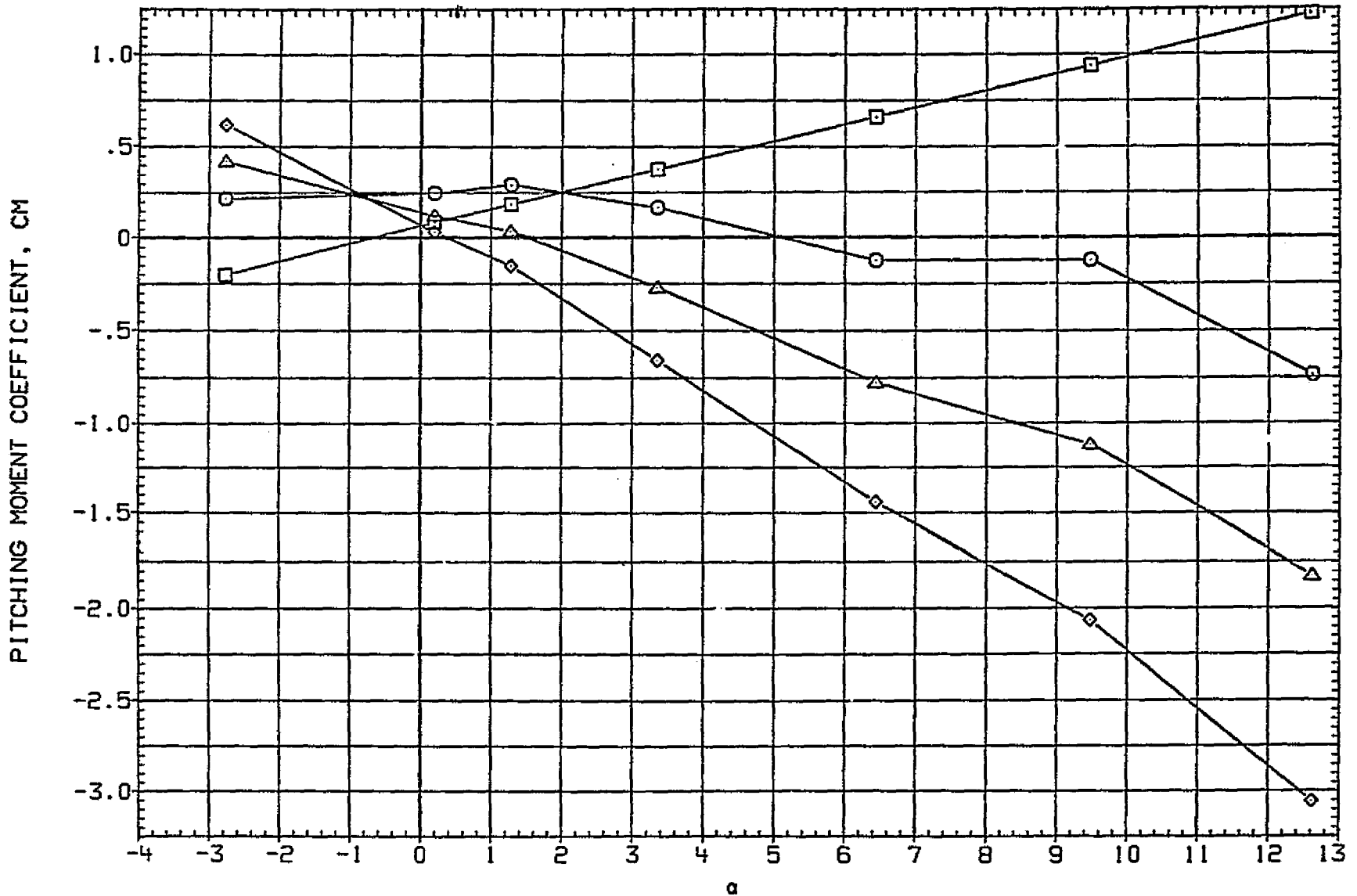


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ234) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CM | MACH | 1.992 | BETA | .000 |
| □ | CMC | D1 | 1.000 | D3 | 1.000 |
| ○ | CHT | D2 | 1.000 | D4 | 1.000 |
| △ | CMB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

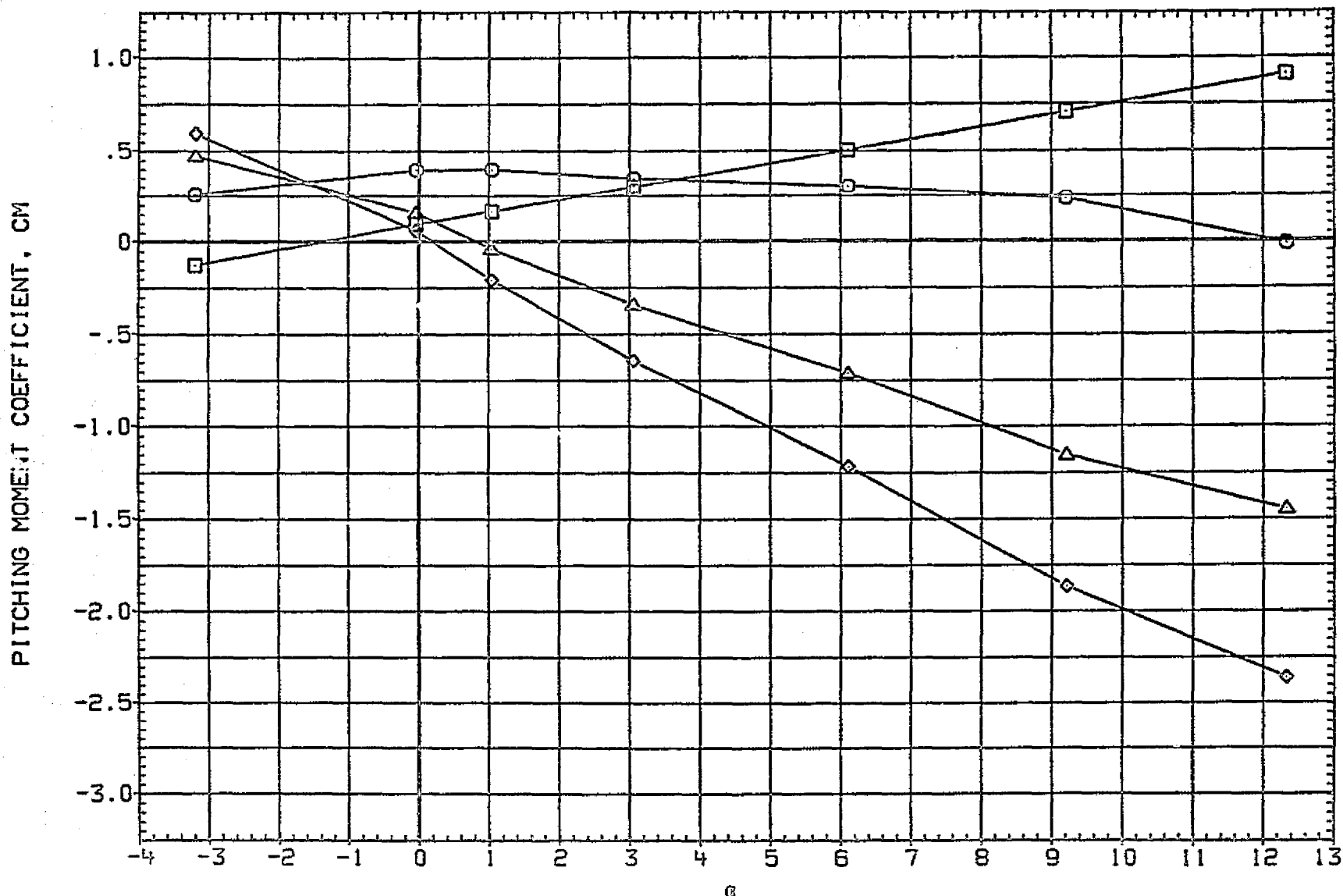


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ234) CONFIGURATION 13 (BNIC4T1)

| SYMSOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| O | CA | MACH | 1.502 | BETA | .000 |
| | | D1 | 1.000 | D3 | 1.000 |
| | | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

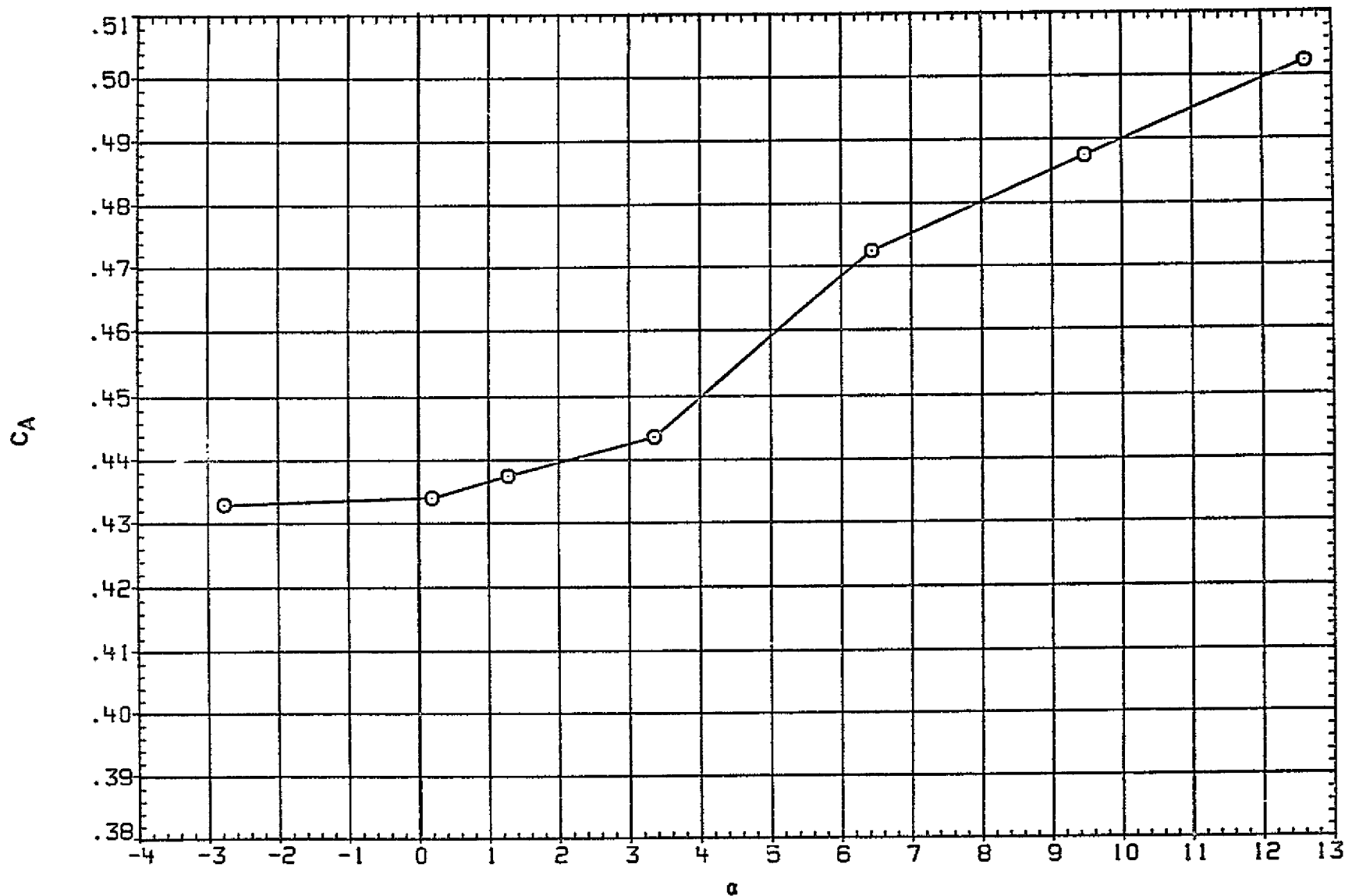


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ234) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| O | CA | MACH | 1.992 | BETA | .000 |
| | | D1 | 1.000 | D3 | 1.000 |
| | | D2 | 1.000 | D4 | 1.000 |
| | | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

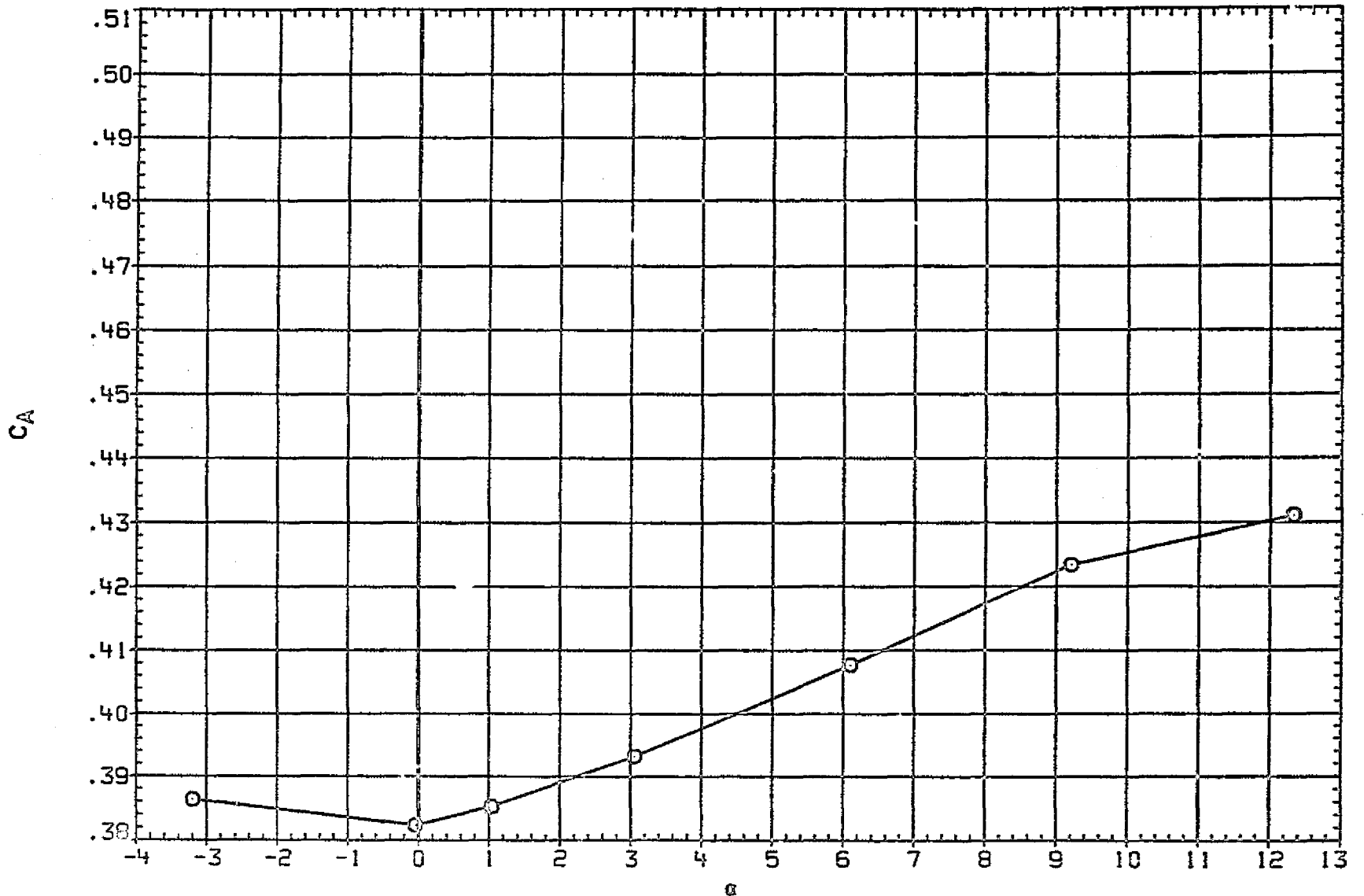


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ234) CONFIGURATION 13 (BNICHT)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| □ | CY | MACH | 1.502 | BETA | .000 |
| ◇ | CYC | D1 | 1.000 | D3 | 1.000 |
| ◇ | CYT | D2 | 1.000 | D4 | 1.000 |
| △ | CYB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | FHI-C | 45.000 | FHI-Y | .000 |

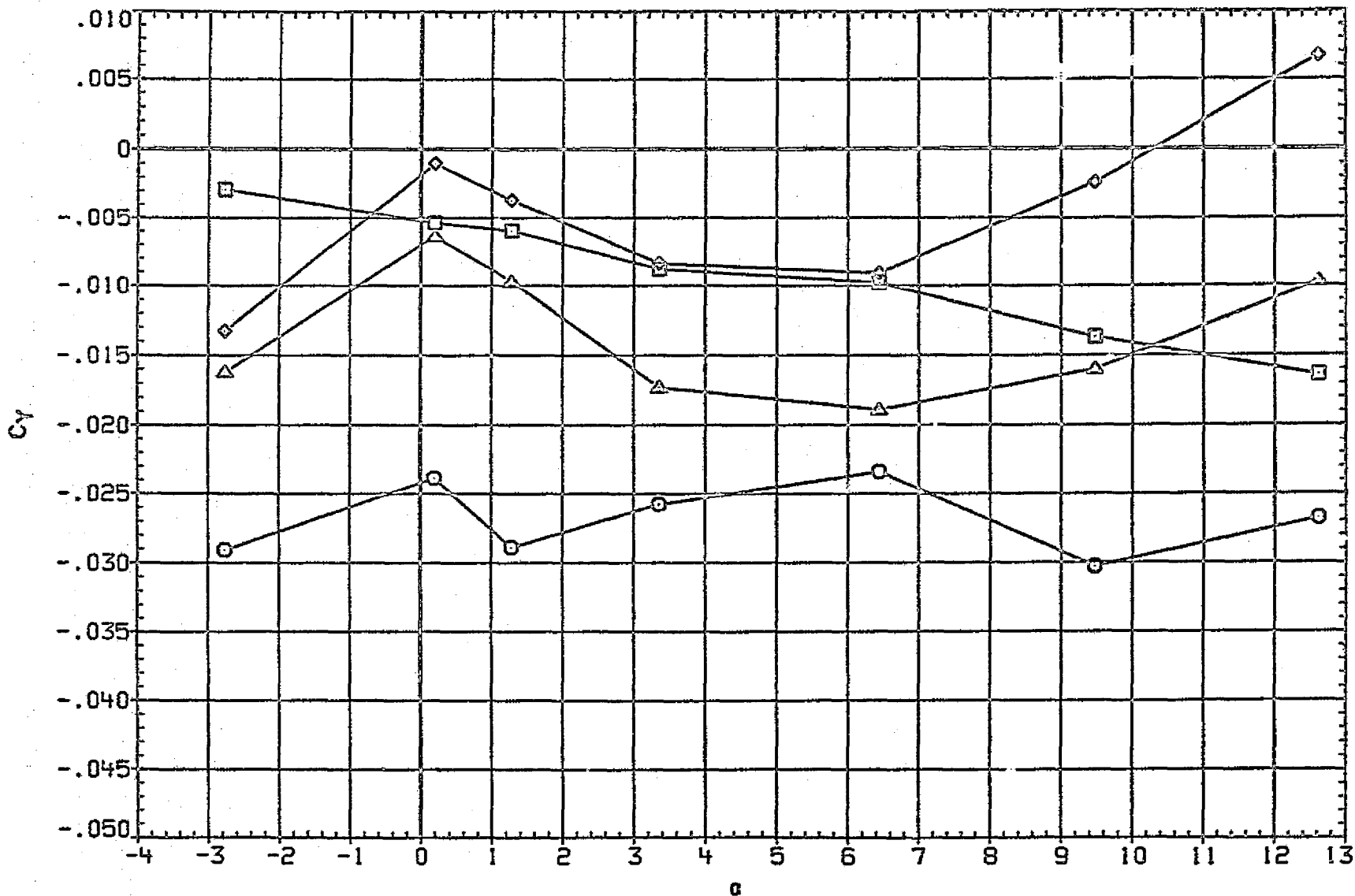


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ234) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CY | MACH | 1.992 | BETA | .000 |
| □ | CYC | D1 | 1.000 | D3 | 1.000 |
| ◇ | CYT | D2 | 1.000 | D4 | 1.000 |
| △ | CYB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

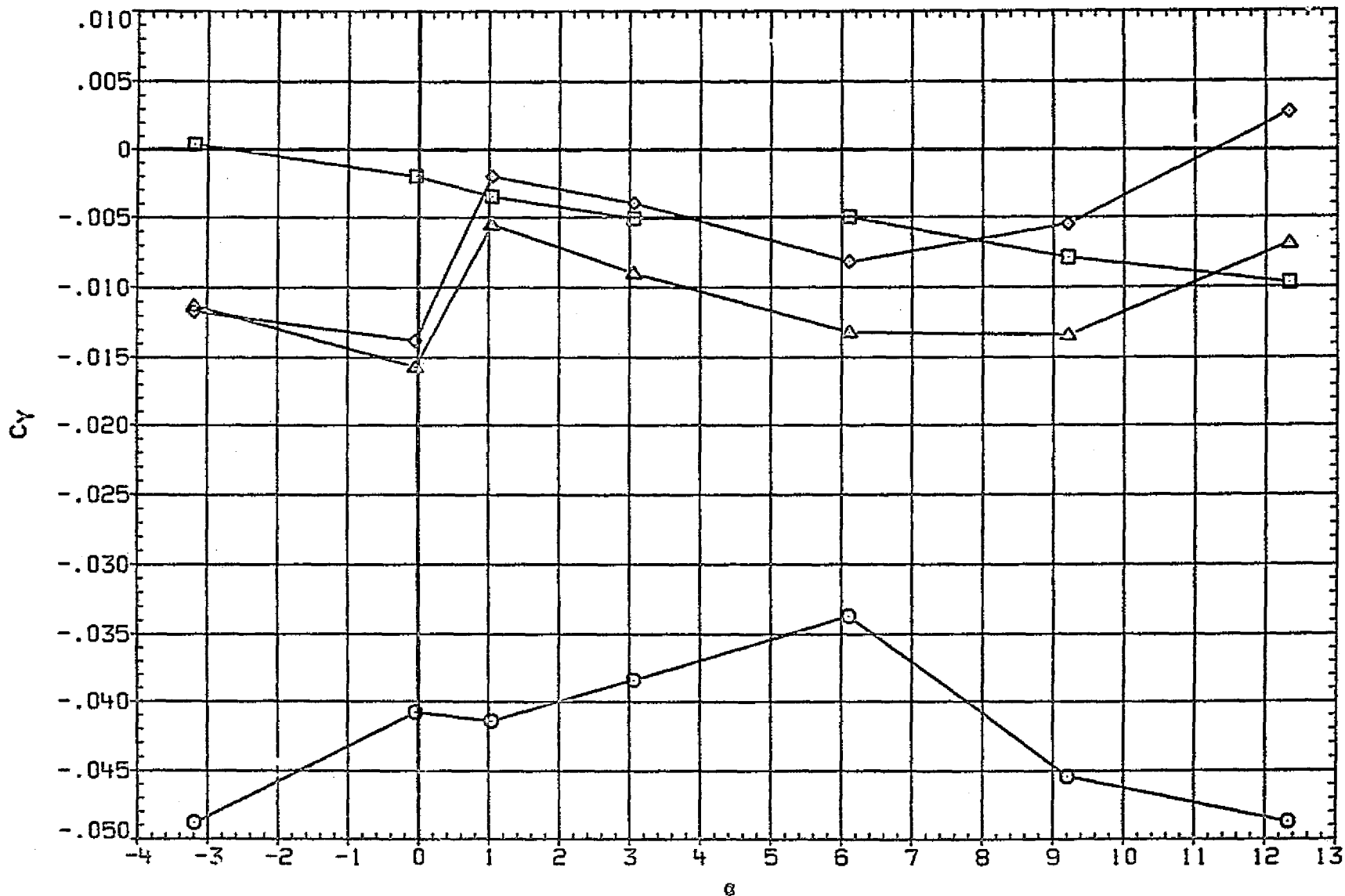


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ234) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CYM | MACH | 1.502 | BETA | .000 |
| □ | CYMC | D1 | 1.000 | D3 | 1.000 |
| ○ | CYHT | D2 | 1.000 | D4 | 1.000 |
| △ | CYMB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

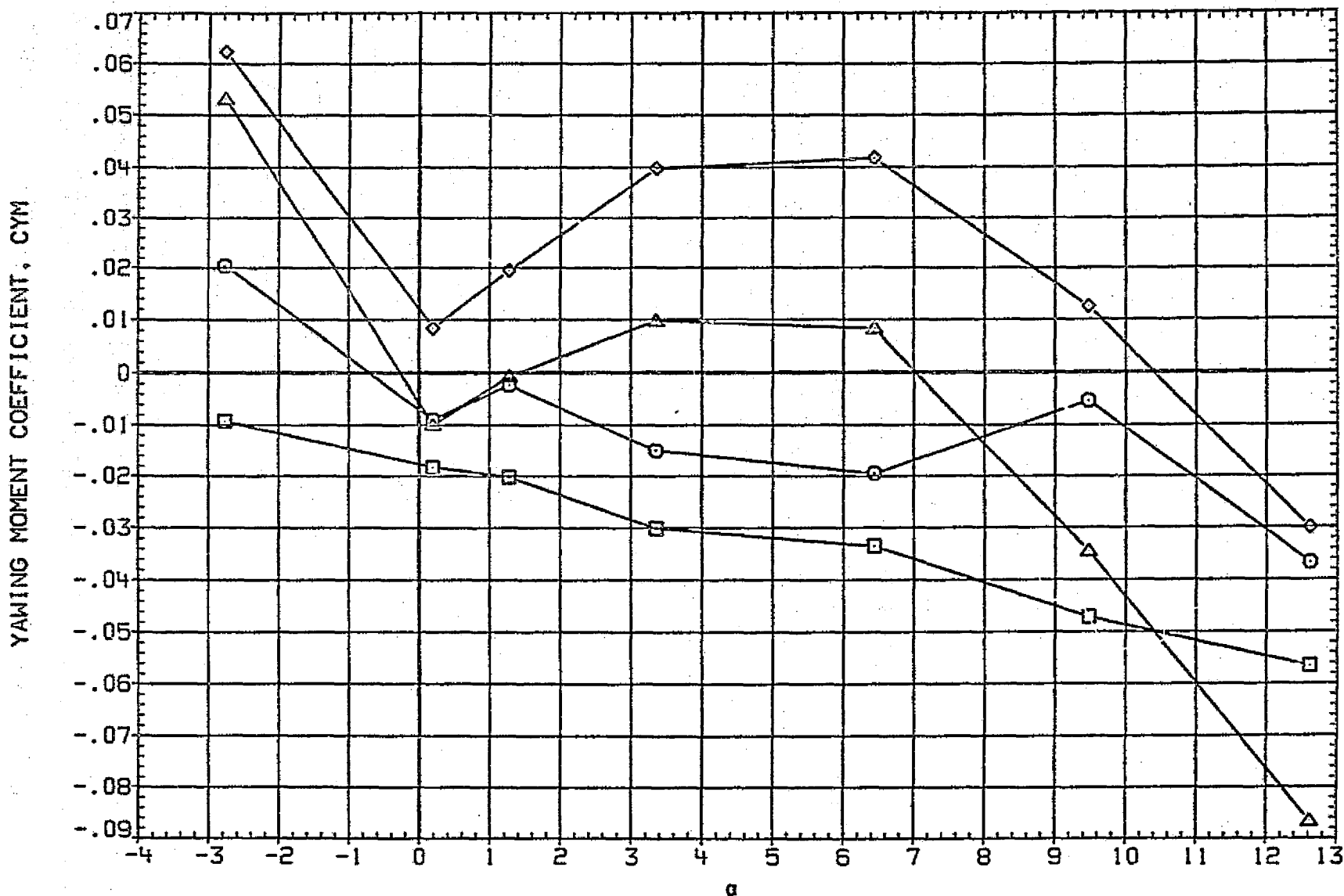


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ234) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CYM | MACH | 1.992 | BETA | .000 |
| ○ | CYMC | D1 | 1.000 | D3 | 1.000 |
| △ | CYMT | D2 | 1.000 | D4 | 1.000 |
| □ | CYMB | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

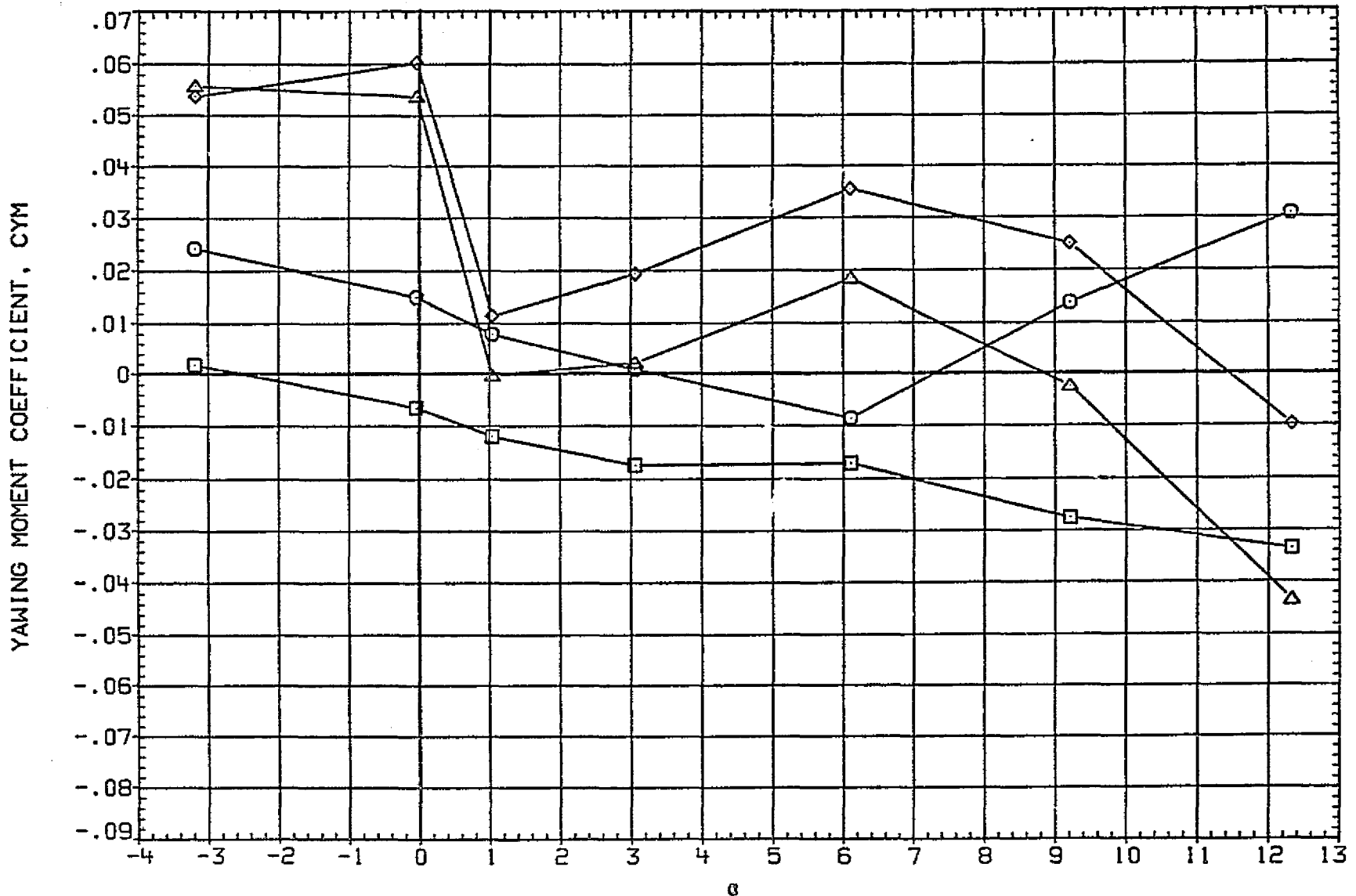


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ234) CONFIGURATION 13 (8N1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|-------|
| ◇ | CRM | MACH | 1.502 | BETA | .000 |
| □ | CRM C | D1 | 1.000 | D3 | 1.000 |
| △ | CRM T | D2 | 1.000 | D4 | 1.000 |
| ○ | CRM B | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

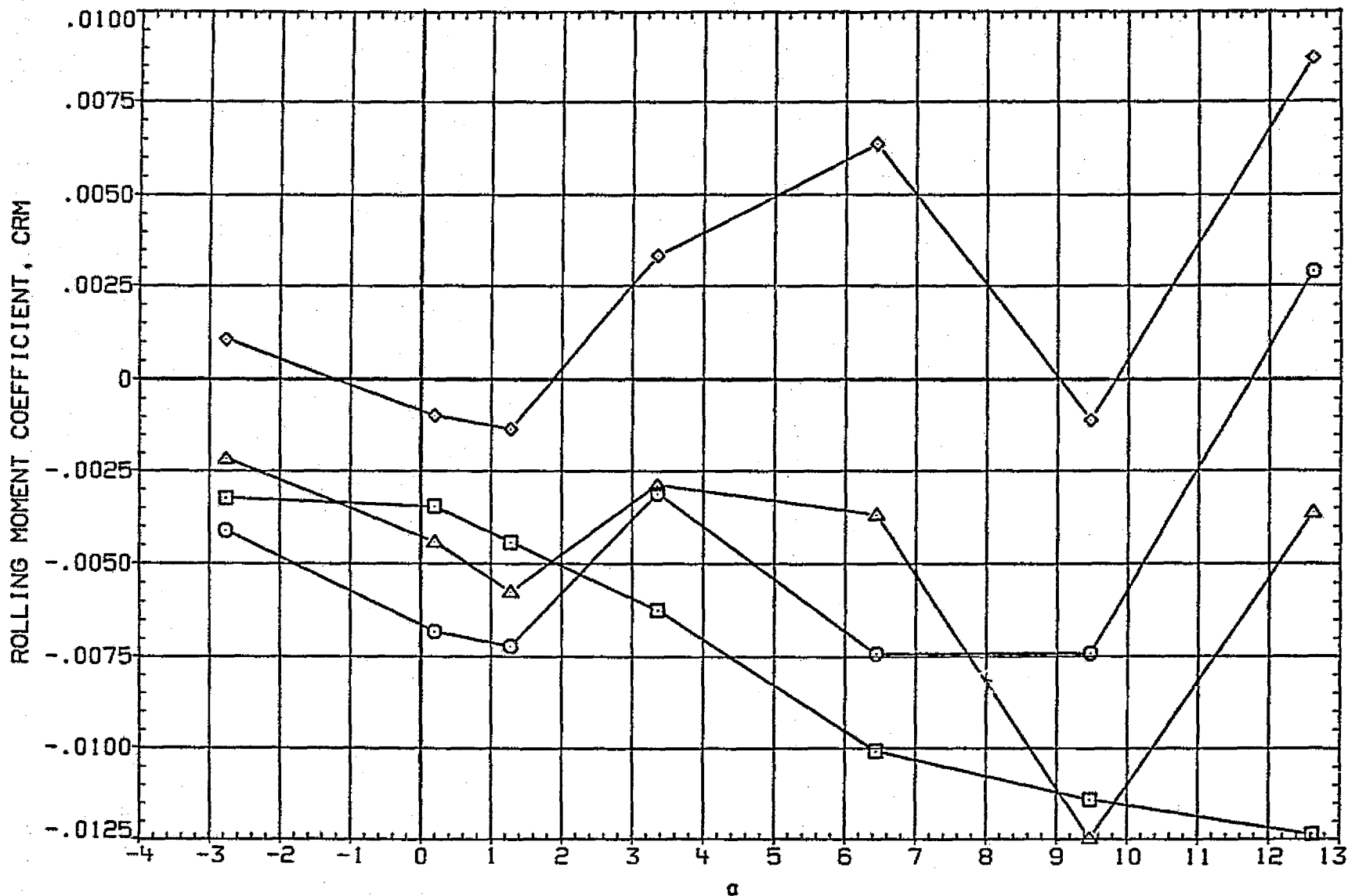


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ234) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|-------|
| ◇ | CRM | MACH | 1.992 | BETA | .00C |
| □ | CRM/C | D1 | 1.000 | D3 | 1.000 |
| △ | CRM/T | D2 | 1.000 | D4 | 1.000 |
| ○ | CRM/B | D1-3 | 1.000 | D2-4 | 1.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

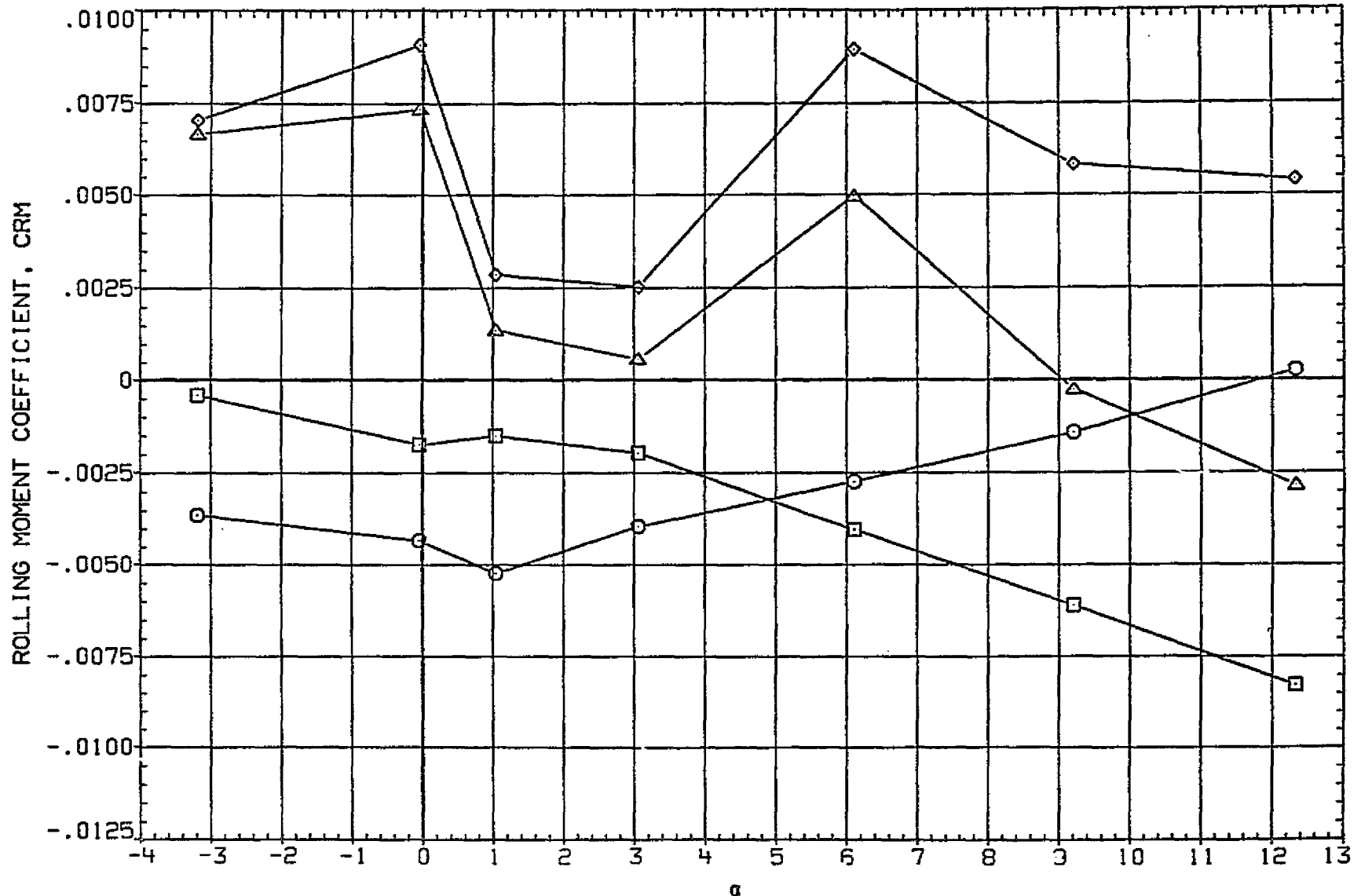


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LE2235) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MACH | 1.504 | BETA | .000 |
| □ | CNC | D1 | 3.000 | D3 | 3.000 |
| ◇ | CNT | D2 | 3.000 | D4 | 3.000 |
| △ | CNS | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-Y | .000 |

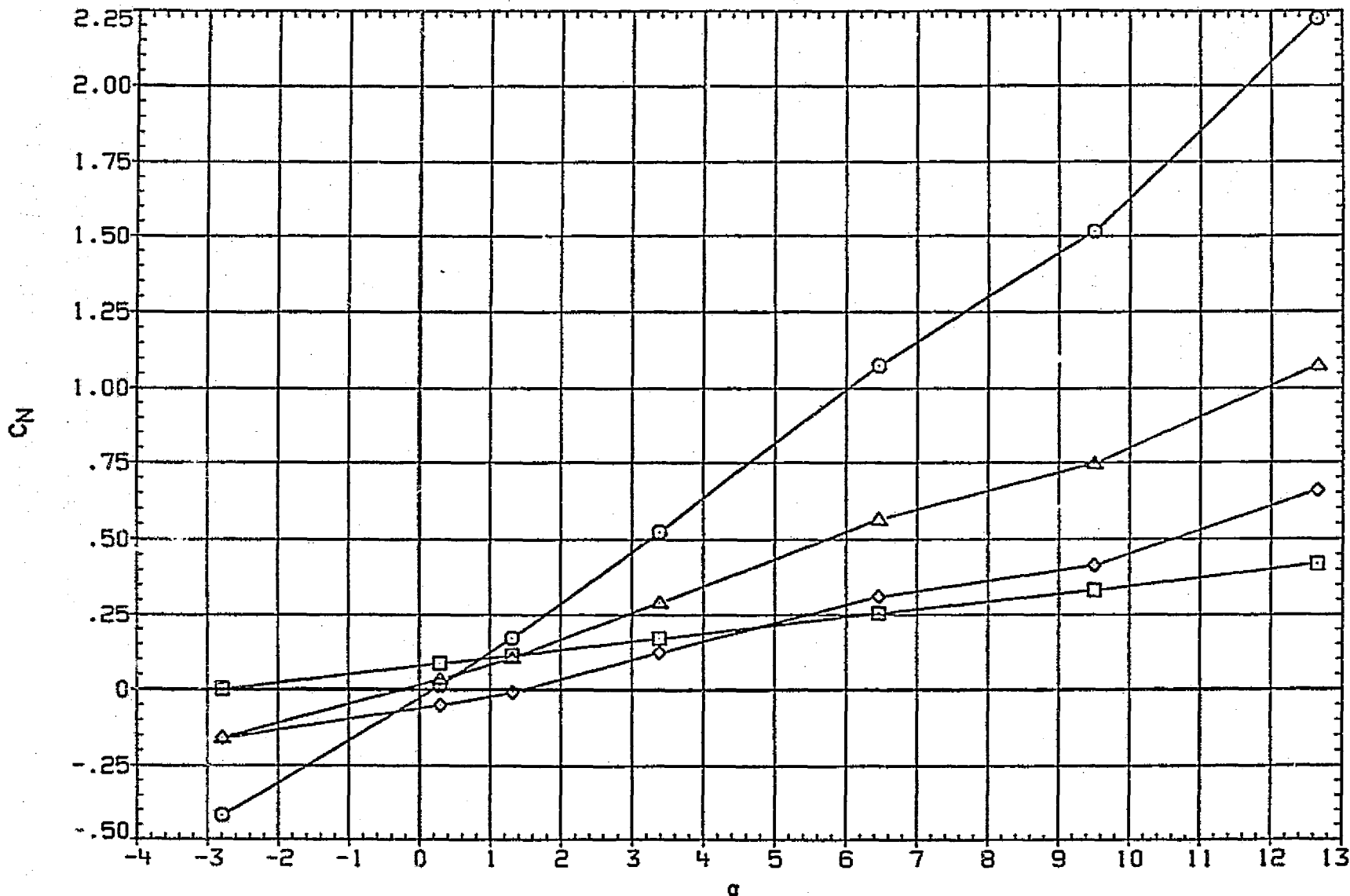


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ235) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MACH | 1.993 | BETA | .000 |
| ◇ | CNC | D1 | 3.000 | D3 | 3.000 |
| △ | CNT | D2 | 3.000 | D4 | 3.000 |
| □ | CNS | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

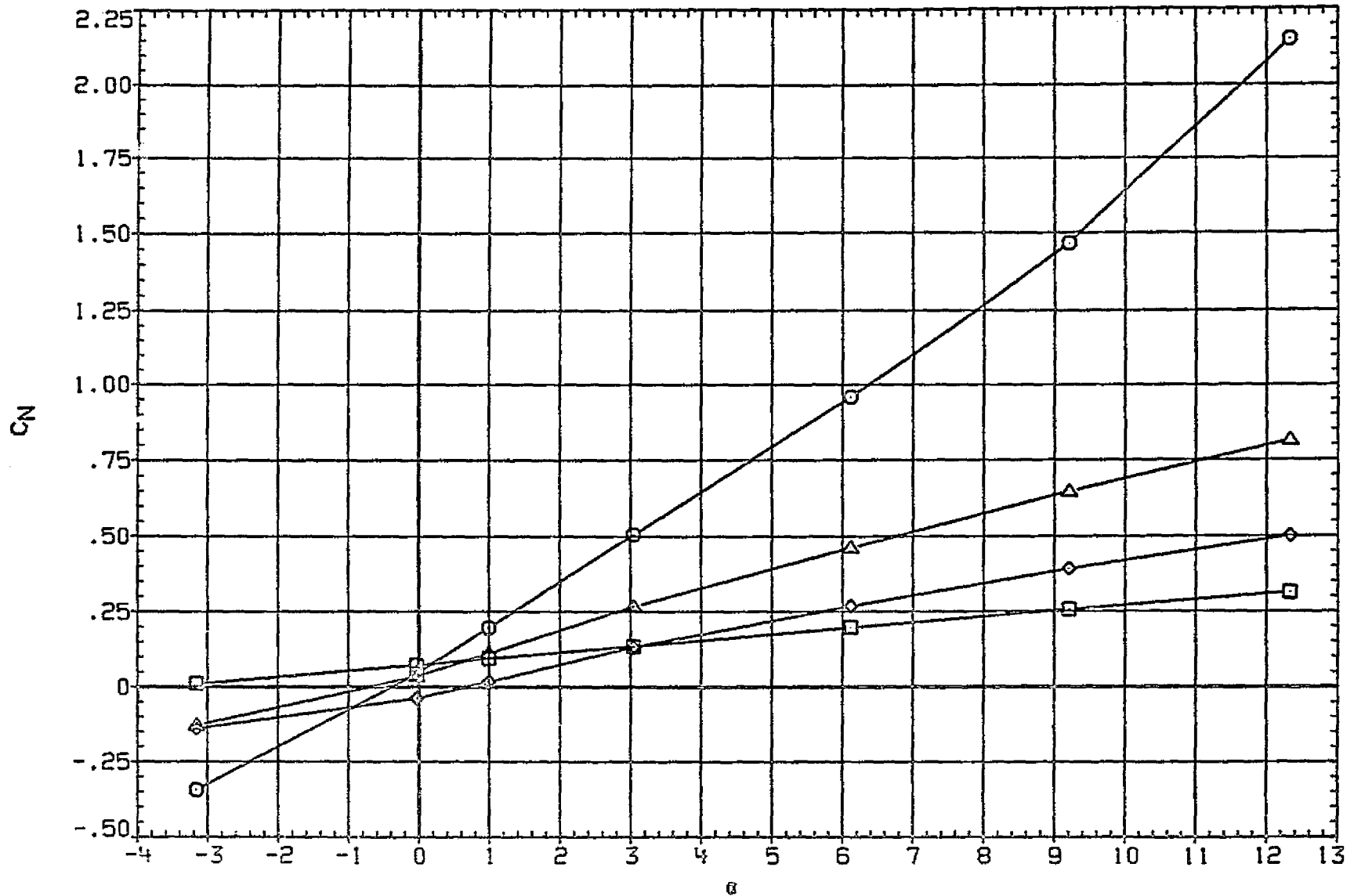


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LE2235) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| □ | CM | MACH | 1.504 | BETA | .000 |
| ◇ | CMC | D1 | 3.000 | D3 | 3.000 |
| ◇ | CMT | D2 | 3.000 | D4 | 3.000 |
| △ | CMB | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

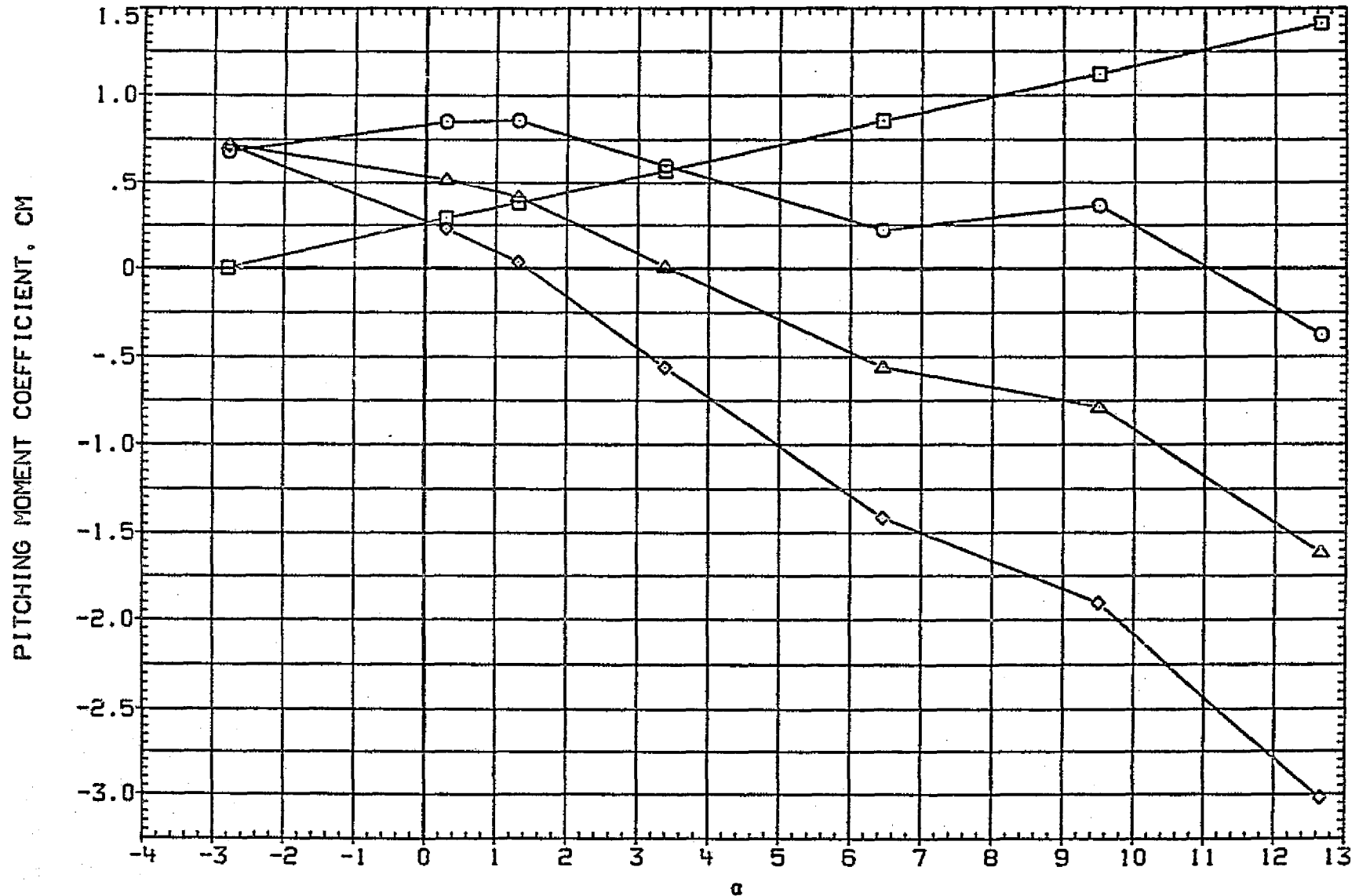


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ235) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CM | MACH | 1.993 | BETA | .000 |
| □ | CMC | D1 | 3.000 | D3 | 3.000 |
| △ | CMT | D2 | 3.000 | D4 | 3.000 |
| ◇ | CMB | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

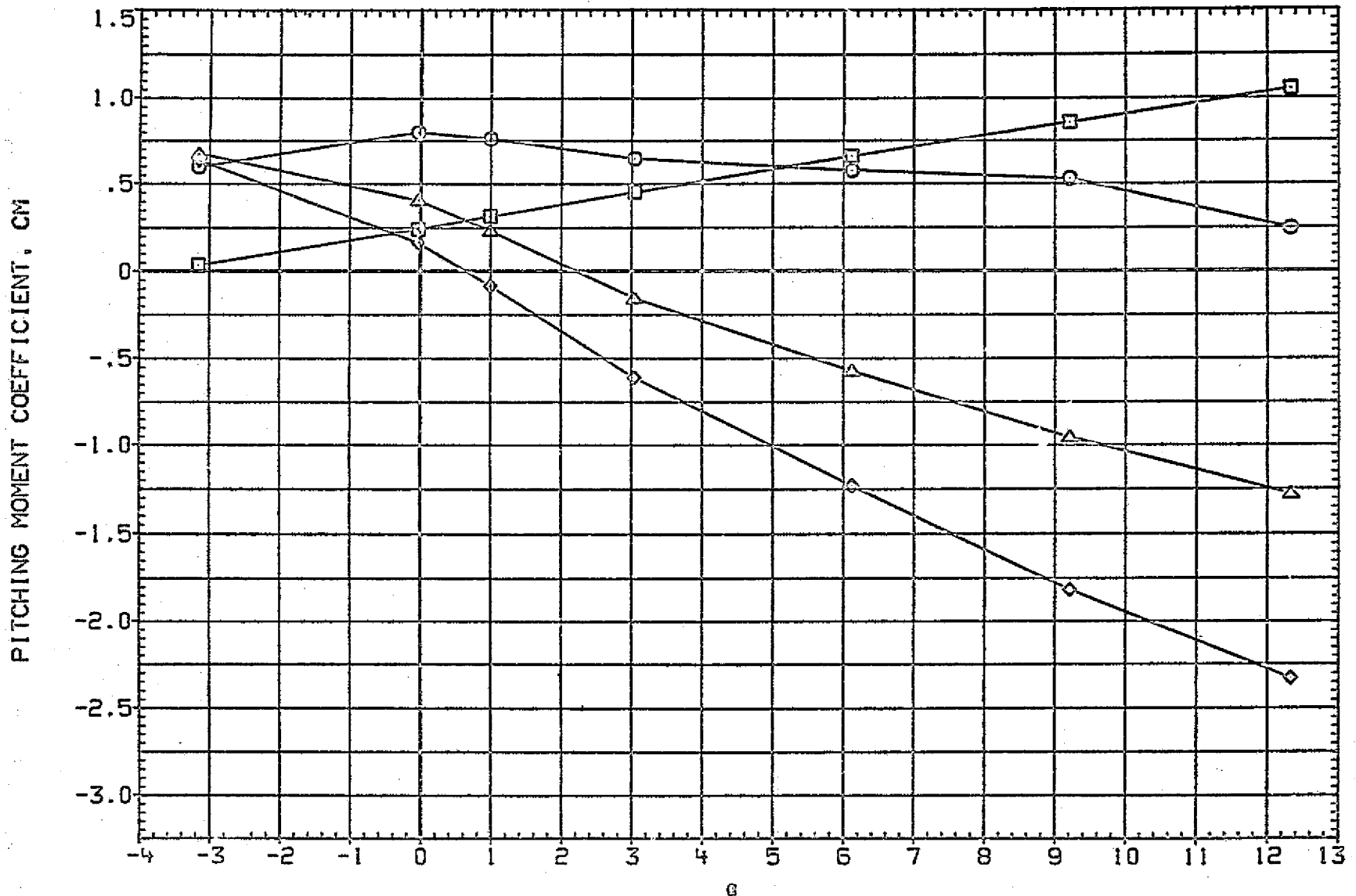


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ235) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CA | MACH | 1.504 | BETA | .000 |
| | | D1 | 3.000 | D3 | 3.000 |
| | | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | 3.000 | D2-4 | 3.000 |
| | | FHI-C | 45.000 | FHI-T | .000 |

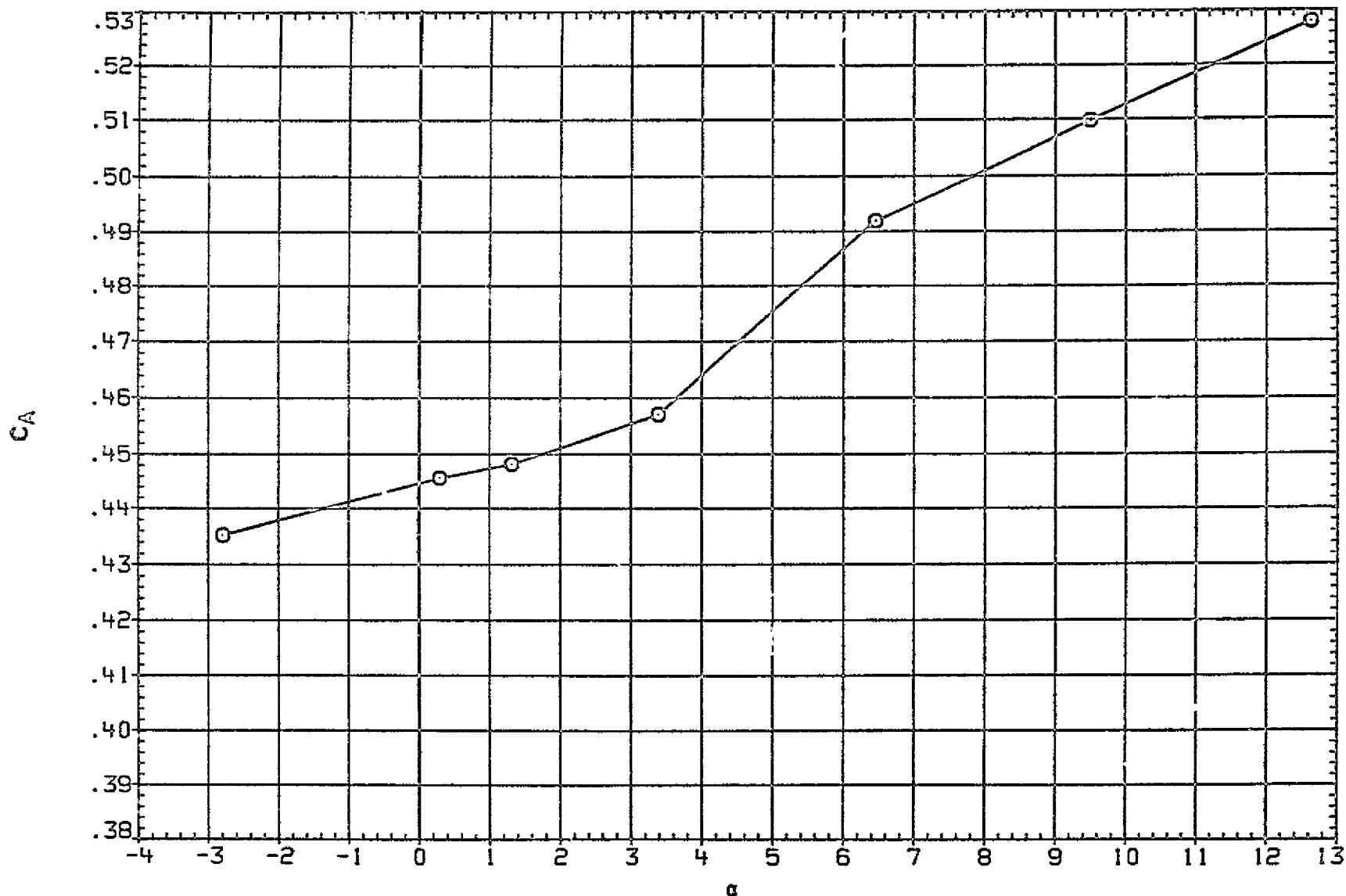


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(OEZ235) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| O | CA | MACH | 1.993 | BETA | .000 |
| | | D1 | 3.000 | D3 | 3.000 |
| | | D2 | 3.000 | D4 | 3.000 |
| | | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

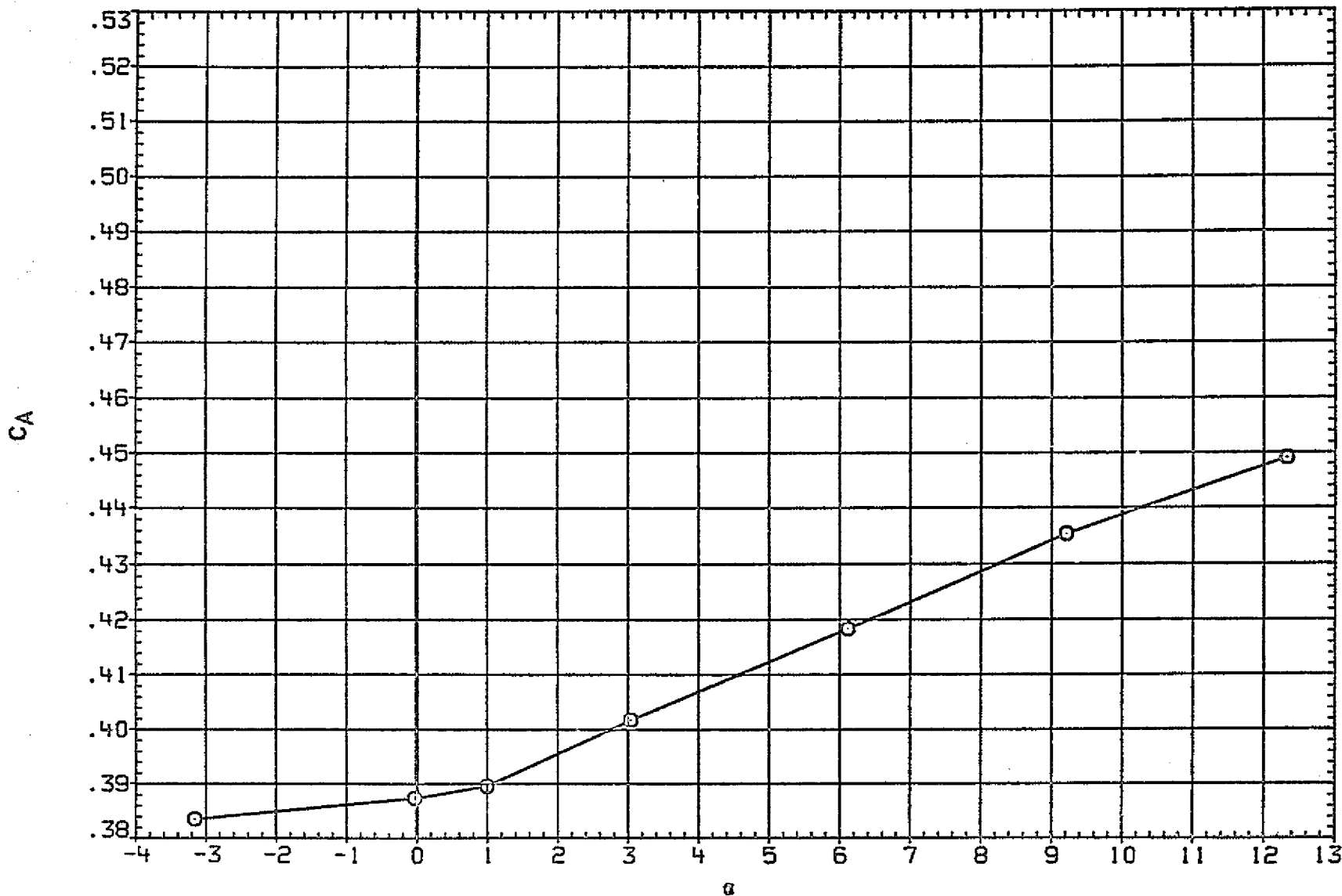


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ235) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CY | MACH | 1.504 | BETA | .000 |
| □ | CYC | D1 | 3.000 | D3 | 3.000 |
| ◇ | CYT | D2 | 3.000 | D4 | 3.000 |
| △ | CV8 | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

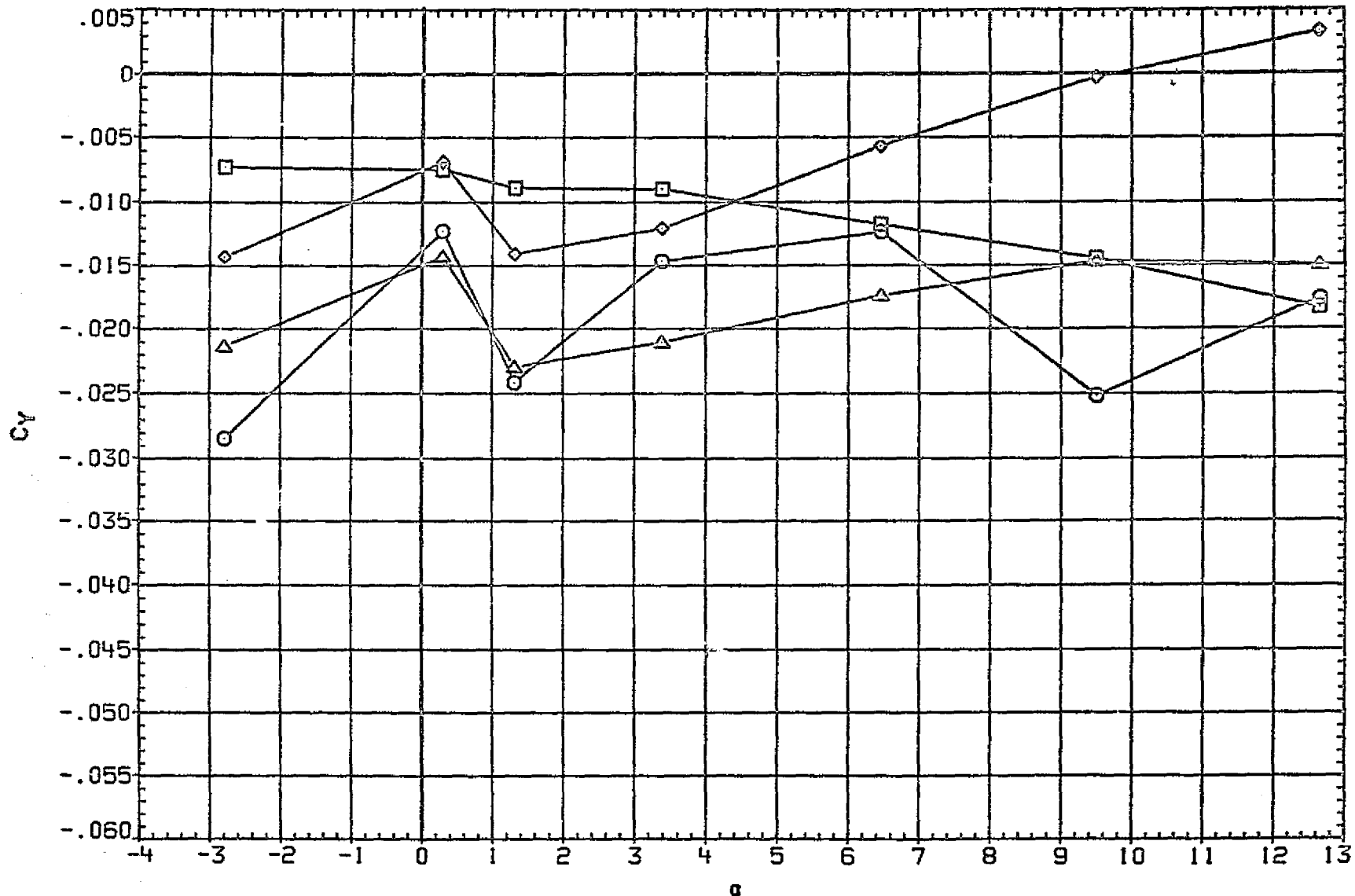


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ235) CONFIGURATION 13 (BNICHT1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| CY | CY | MACH | 1.993 | BETA | .000 |
| | CY2 | D1 | 3.000 | D3 | 3.000 |
| | CY3 | D2 | 3.000 | D4 | 3.000 |
| | CY4 | D1-3 | 3.000 | D2-4 | 3.000 |
| | CY5 | PHI-C | 45.000 | PHI-T | .000 |

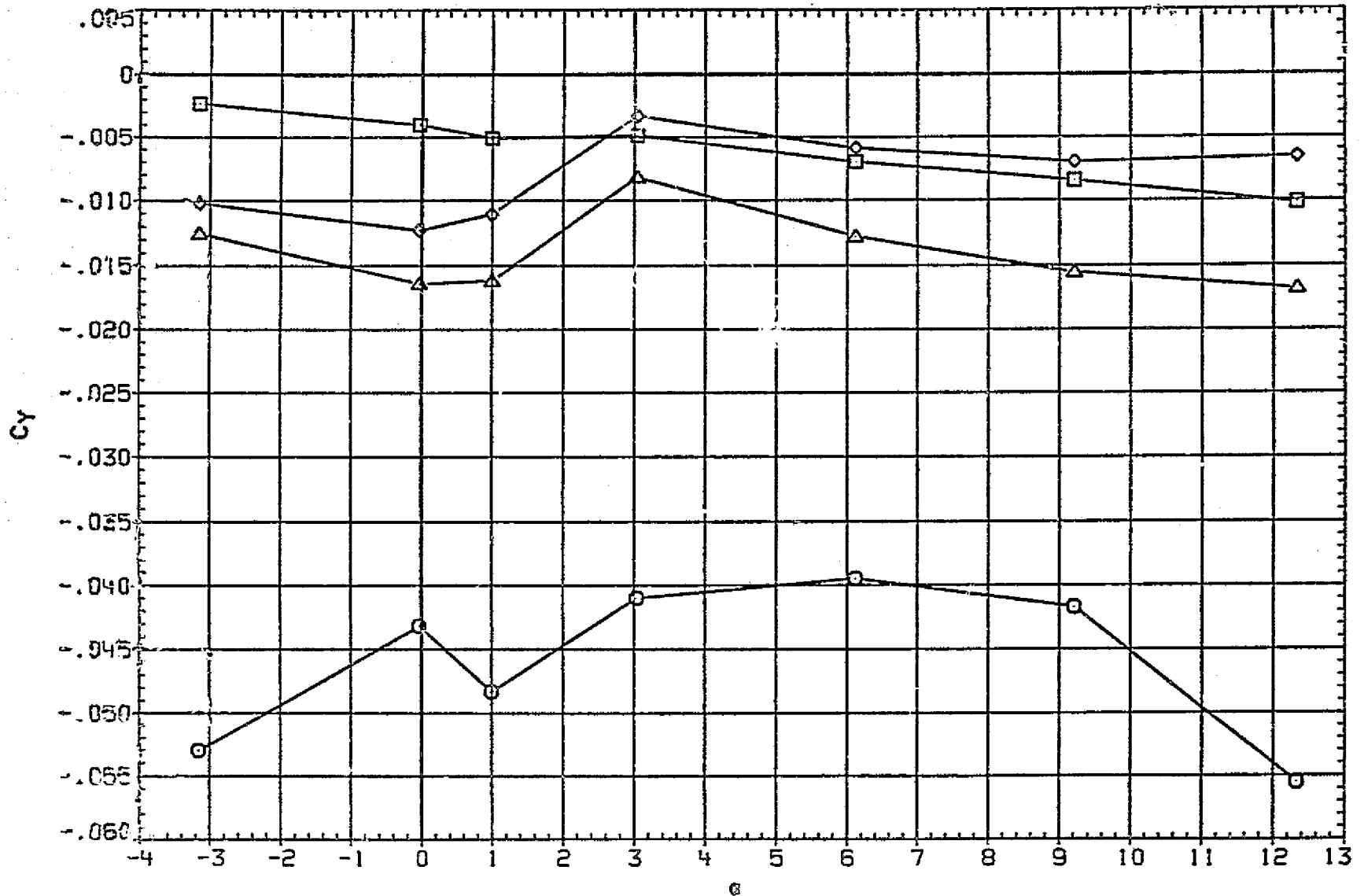


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ235)

CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CYM | MACH | 1.504 | BETA | .000 |
| □ | CYMC | D1 | 3.000 | D3 | 3.000 |
| △ | CYMT | D2 | 3.000 | D4 | 3.000 |
| | CYMB | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

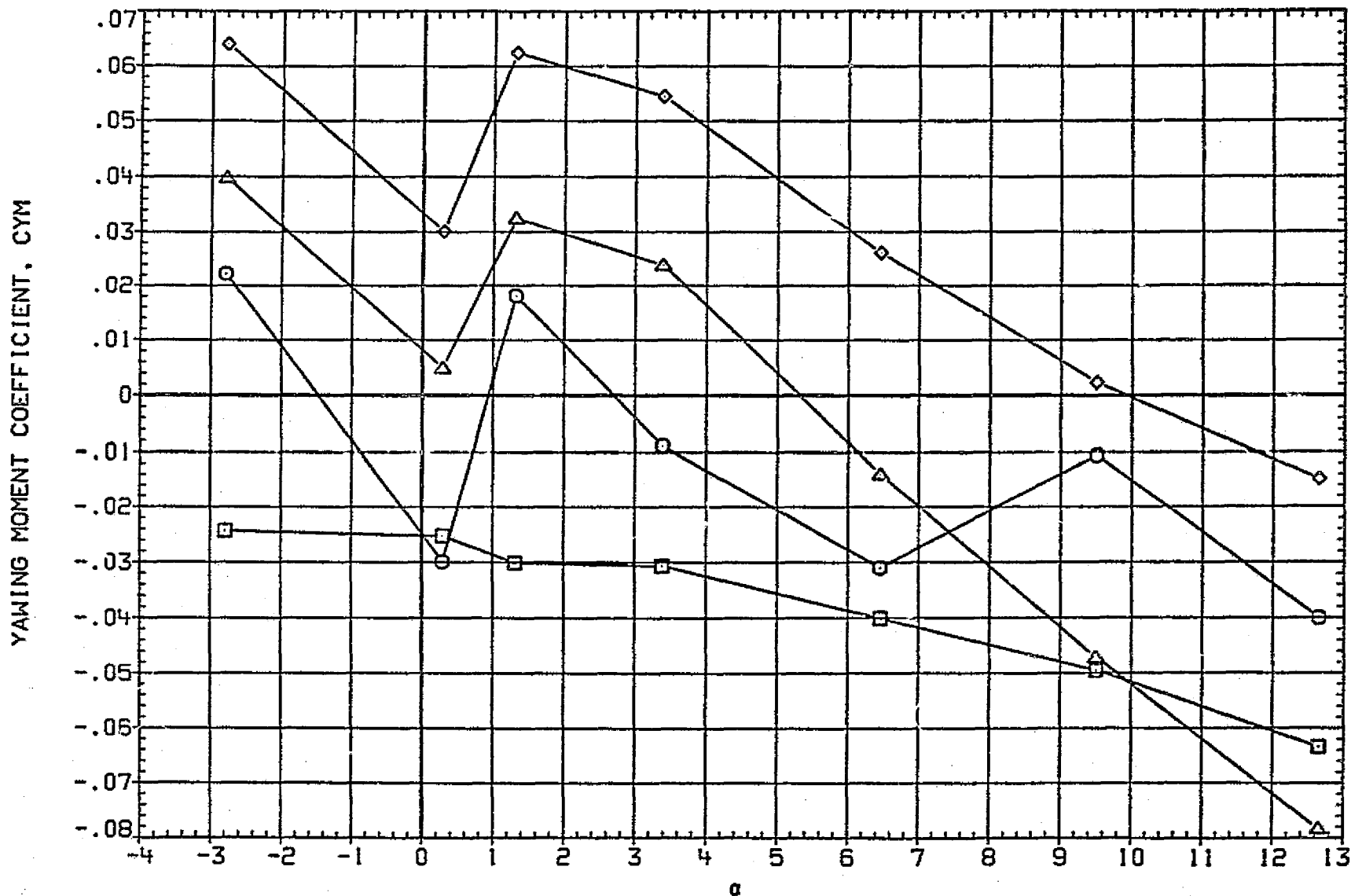


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ235) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CYM | MACH | 1.953 | BETA | .000 |
| □ | CYPC | D1 | 3.000 | D3 | 3.000 |
| △ | CYHT | D2 | 3.000 | D4 | 3.000 |
| ○ | CYTB | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

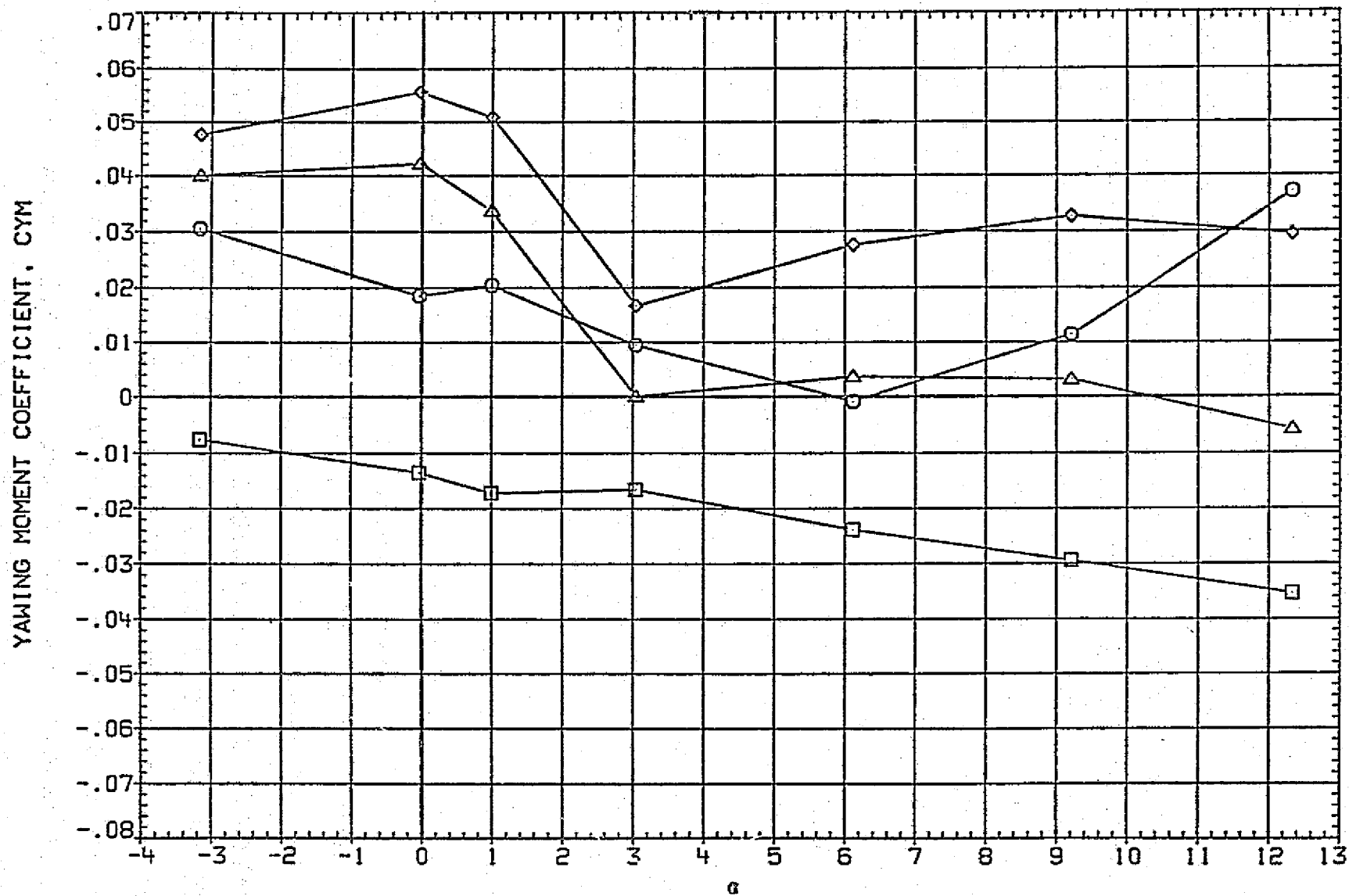


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NE2235) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CRM | MACH | 1.504 | BETA | .000 |
| ○ | CRM | D1 | 3.000 | D3 | 3.000 |
| □ | CRM | D2 | 3.000 | D4 | 3.000 |
| △ | CRM | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

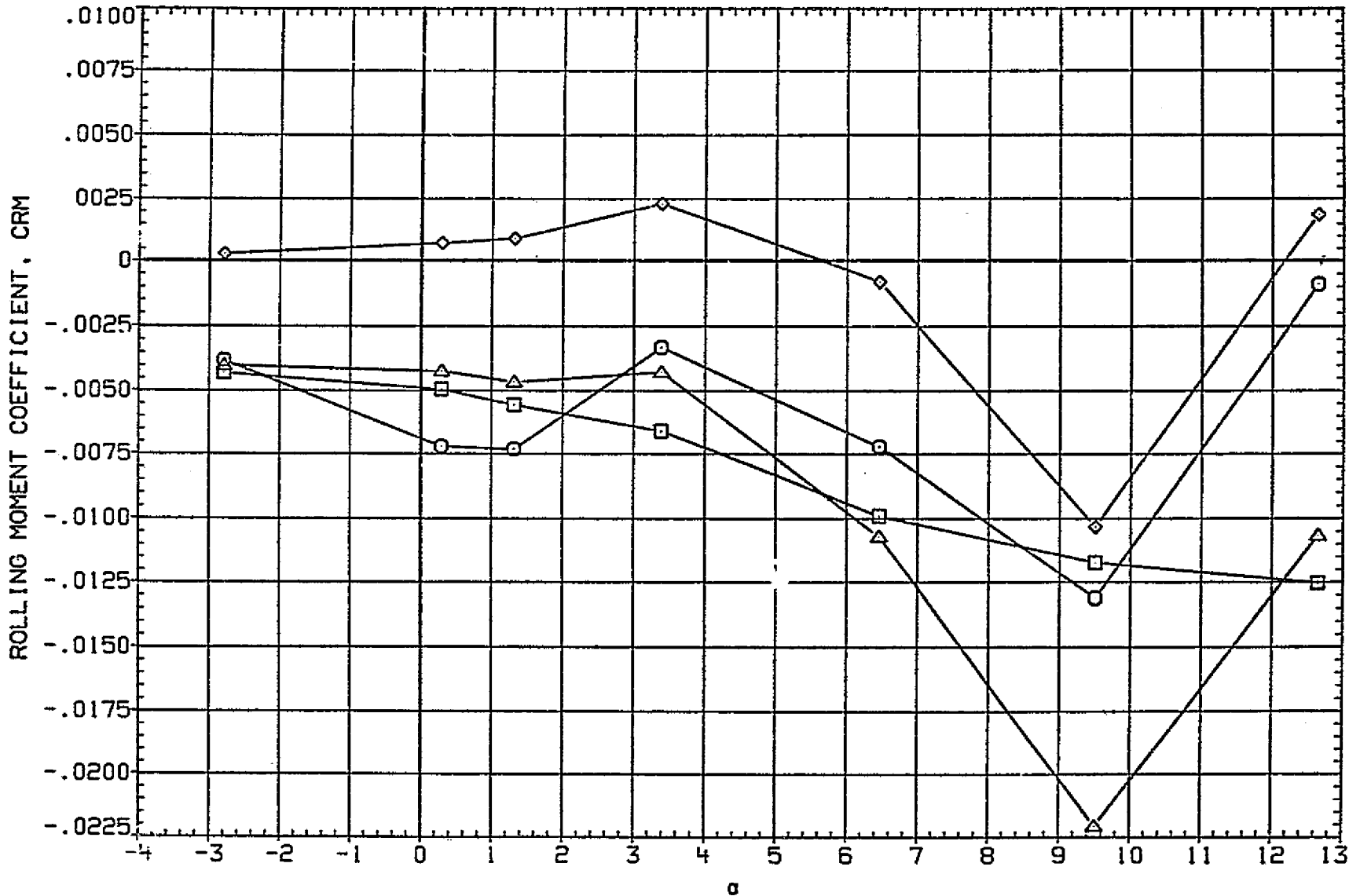


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ235) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|-------|
| ○ | CRM | MACH | 1.933 | BETA | .000 |
| □ | CRM/C | D1 | 3.000 | D3 | 3.000 |
| ◇ | CRM/T | D2 | 3.000 | D4 | 3.000 |
| △ | CRM/B | D1-3 | 3.000 | D2-4 | 3.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

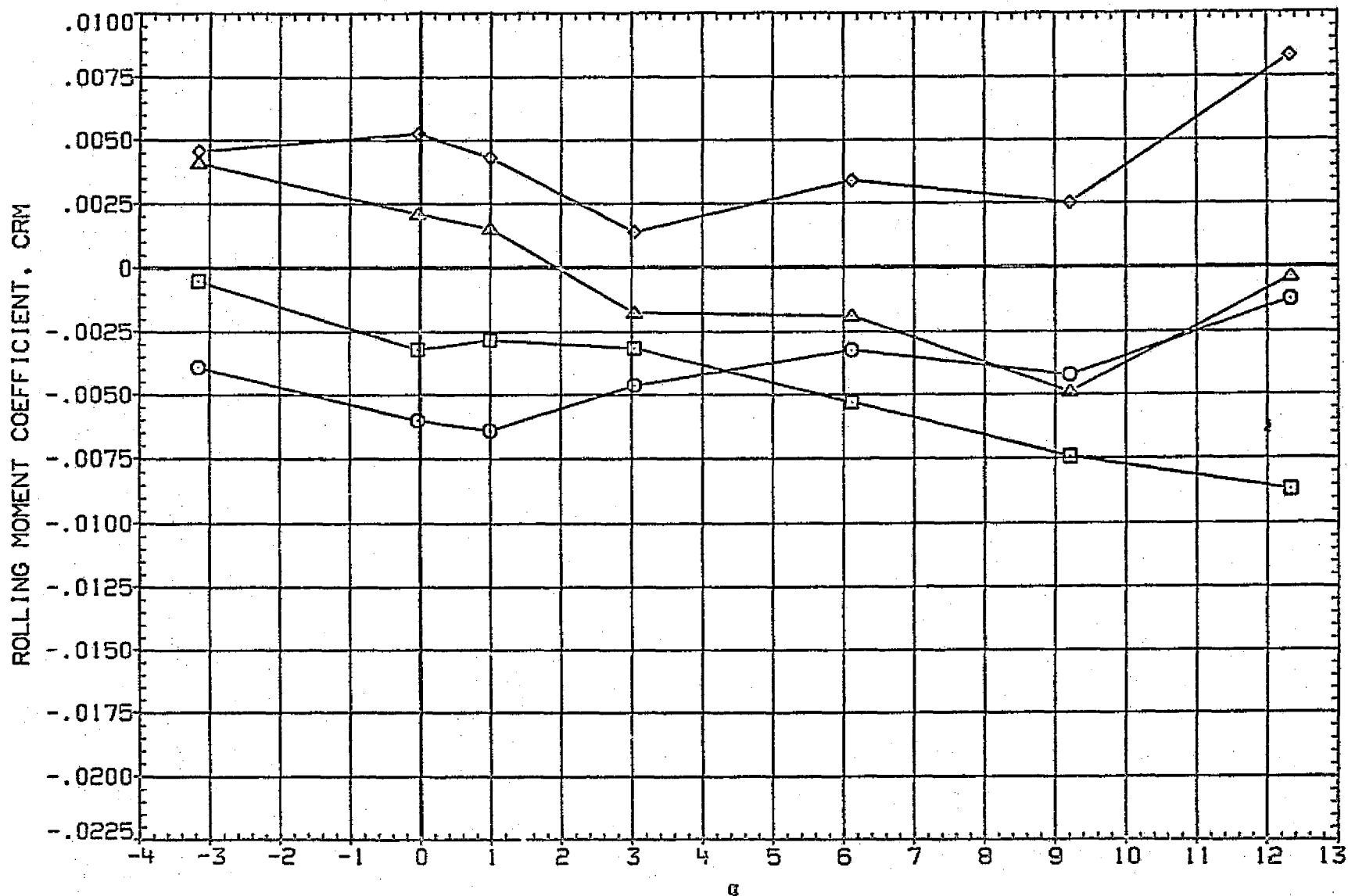


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PE2236) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MACH | 1.502 | BETA | .000 |
| □ | CNC | D1 | 6.000 | D3 | 6.000 |
| ◇ | CNT | D2 | 6.000 | D4 | 6.000 |
| △ | CNB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

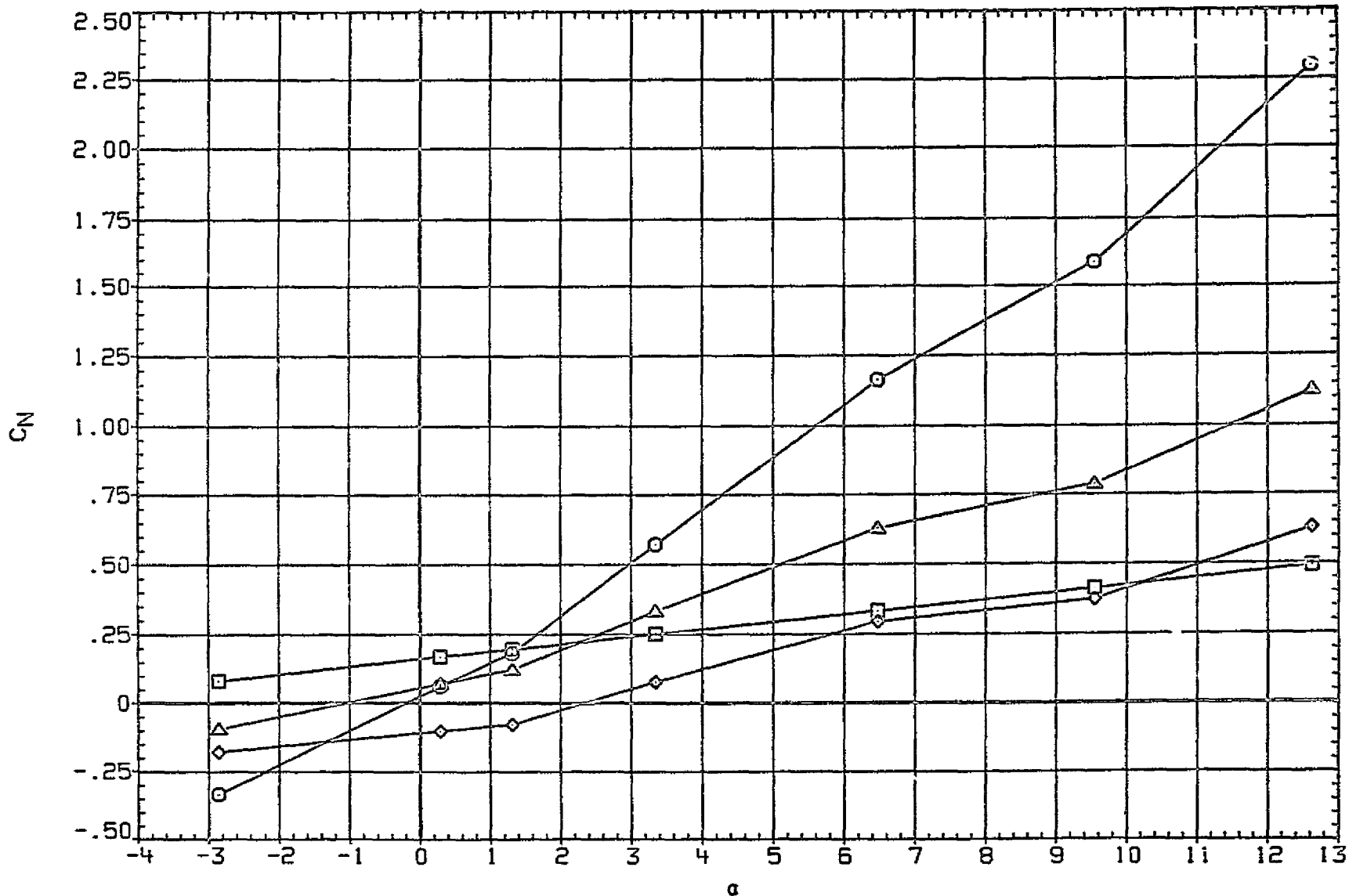


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ236) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MACH | 1.990 | BETA | .000 |
| □ | CNC | D1 | 6.000 | D3 | 6.000 |
| ◇ | CNT | D2 | 6.000 | D4 | 6.000 |
| △ | CNB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

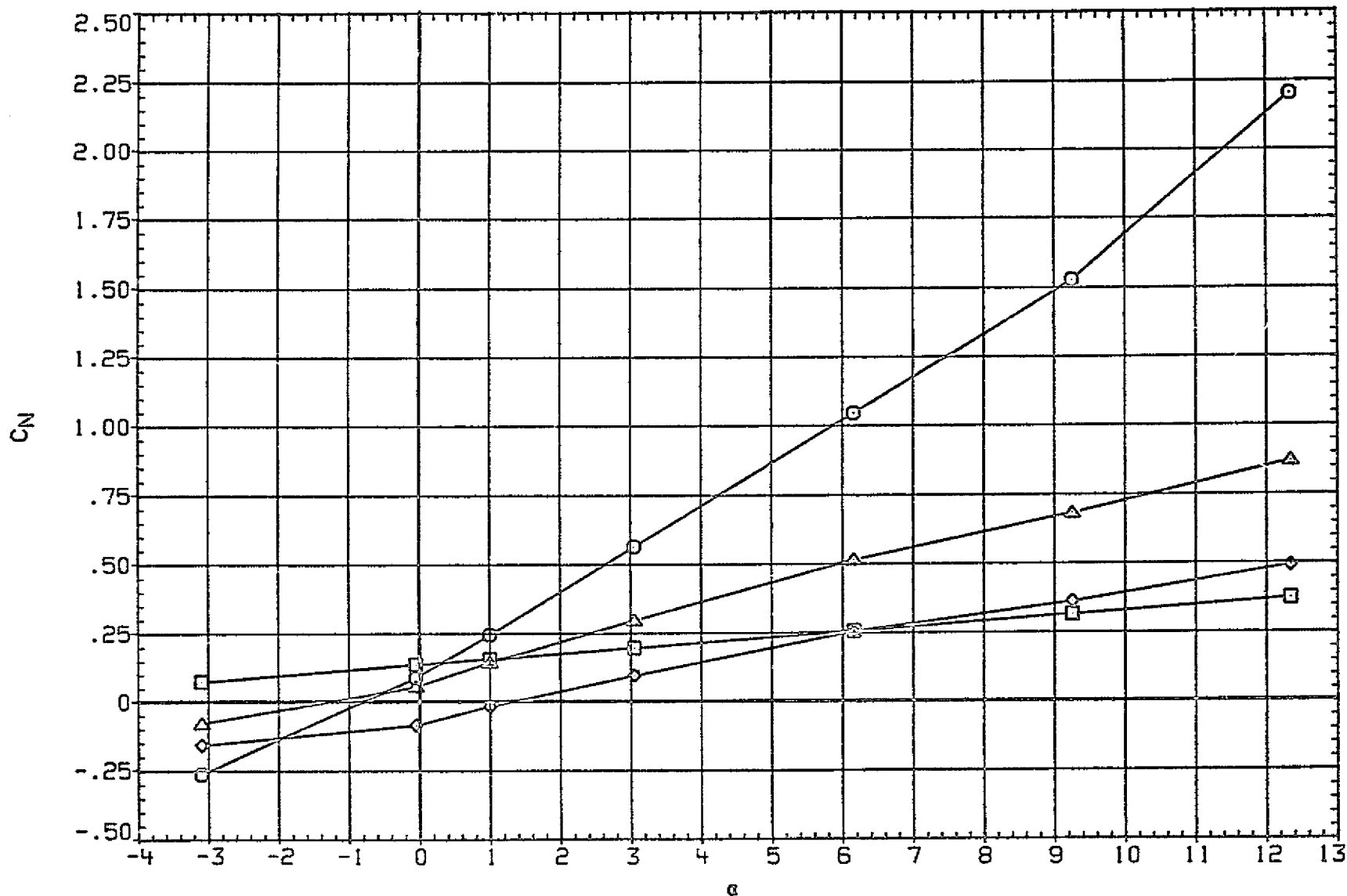


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PE2236) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CM | MACH | 1.502 | BETA | .000 |
| ◇ | CMC | D1 | 6.000 | D3 | 6.000 |
| □ | CMT | D2 | 6.000 | D4 | 6.000 |
| △ | CM3 | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

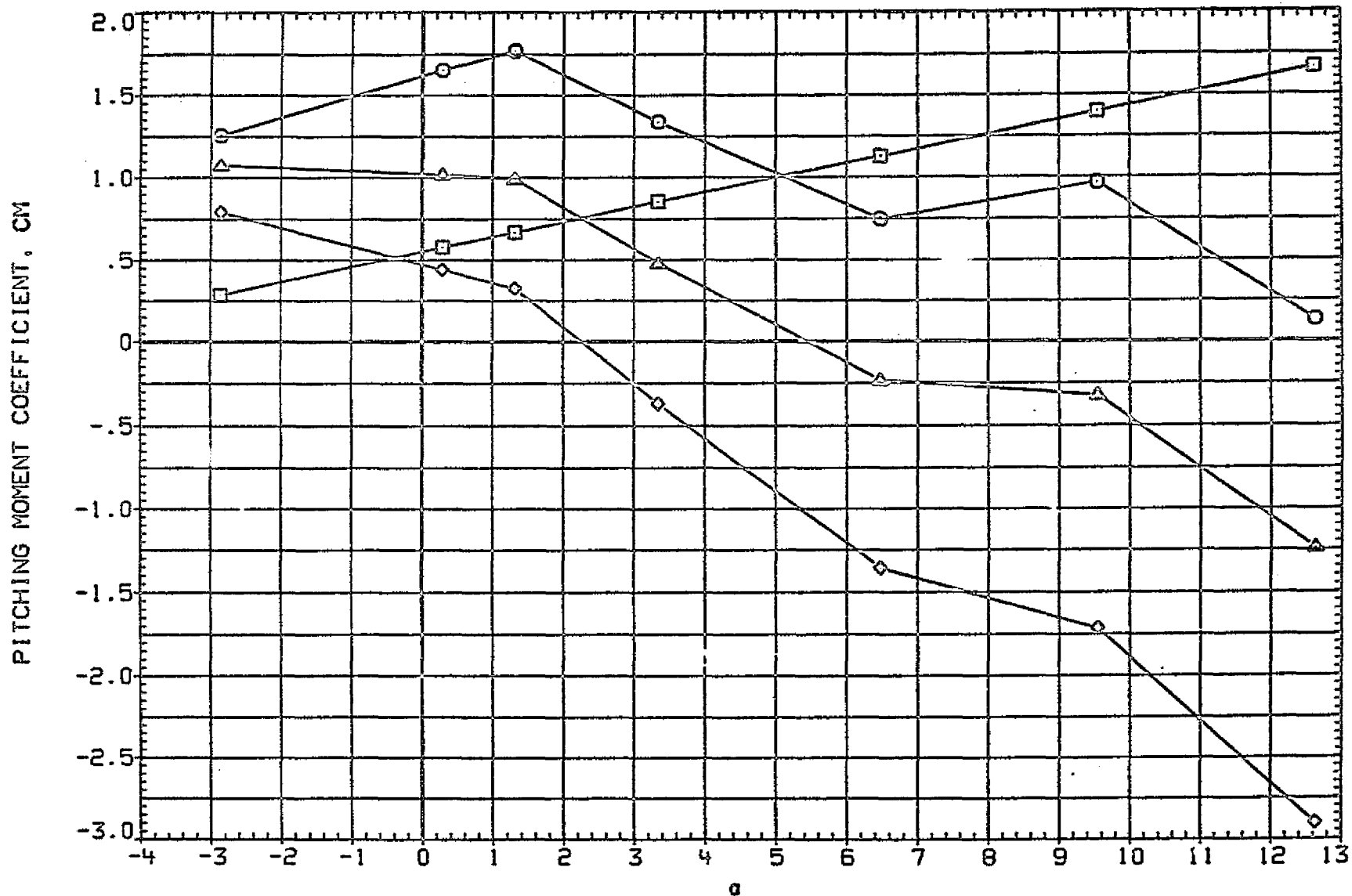


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ236) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CM | MACH | 1.990 | BETA | .000 |
| □ | CMC | D1 | 6.000 | D3 | 6.000 |
| △ | CMT | D2 | 6.000 | D4 | 6.000 |
| ◇ | CMS | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

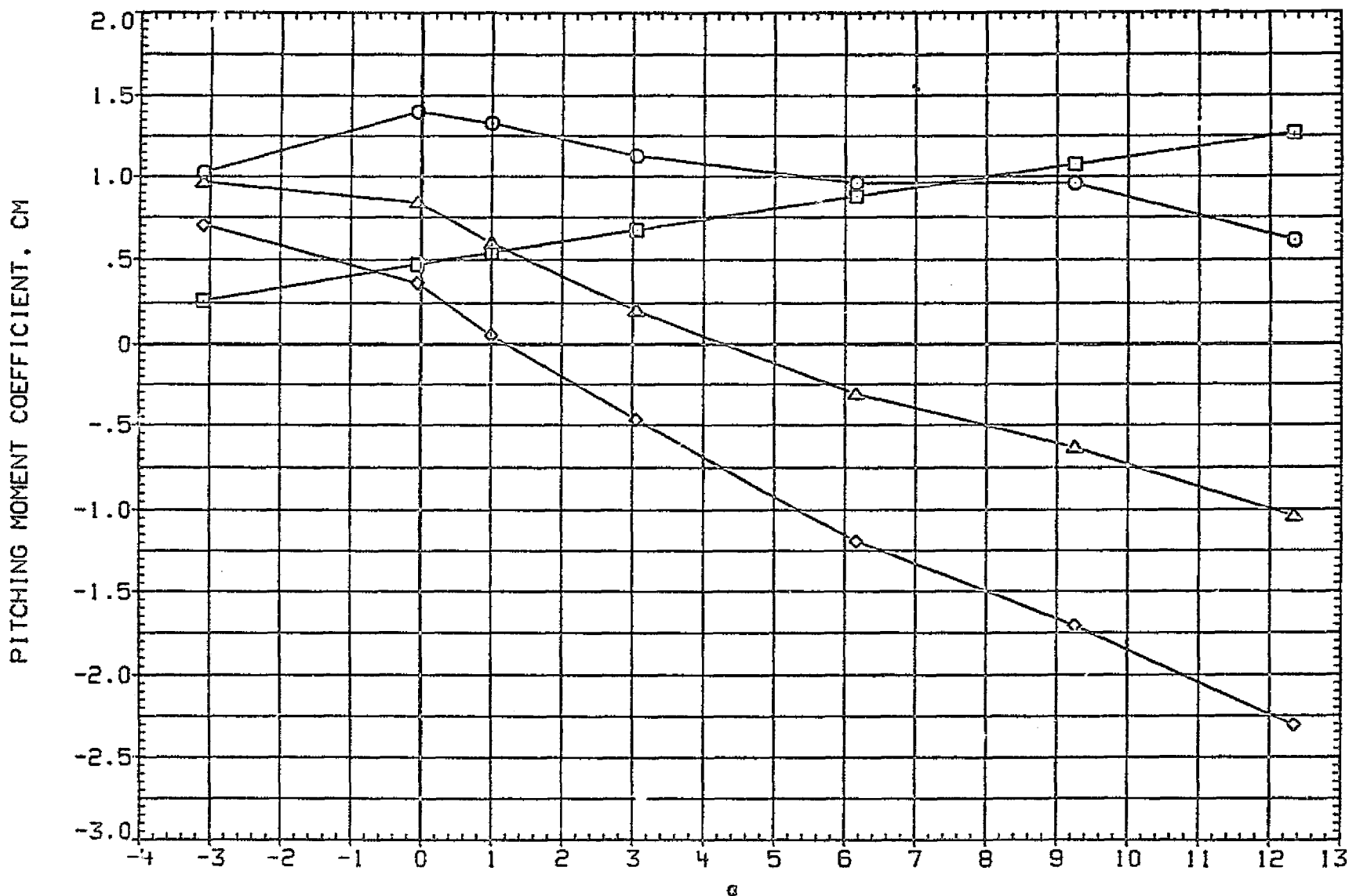


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(TEZ2)

SYMBOL DATA

O

CONFIGURATION 13 (BNIC4T1)

PARAMETRIC VALUES

| | | | |
|-------|--------|-------|-------|
| MACH | 1.502 | BETA | .000 |
| D1 | 6.000 | D3 | 6.000 |
| D2 | 6.000 | D4 | 6.000 |
| D1-3 | 6.000 | D2-4 | 6.000 |
| PHI-C | 45.000 | PHI-T | .000 |

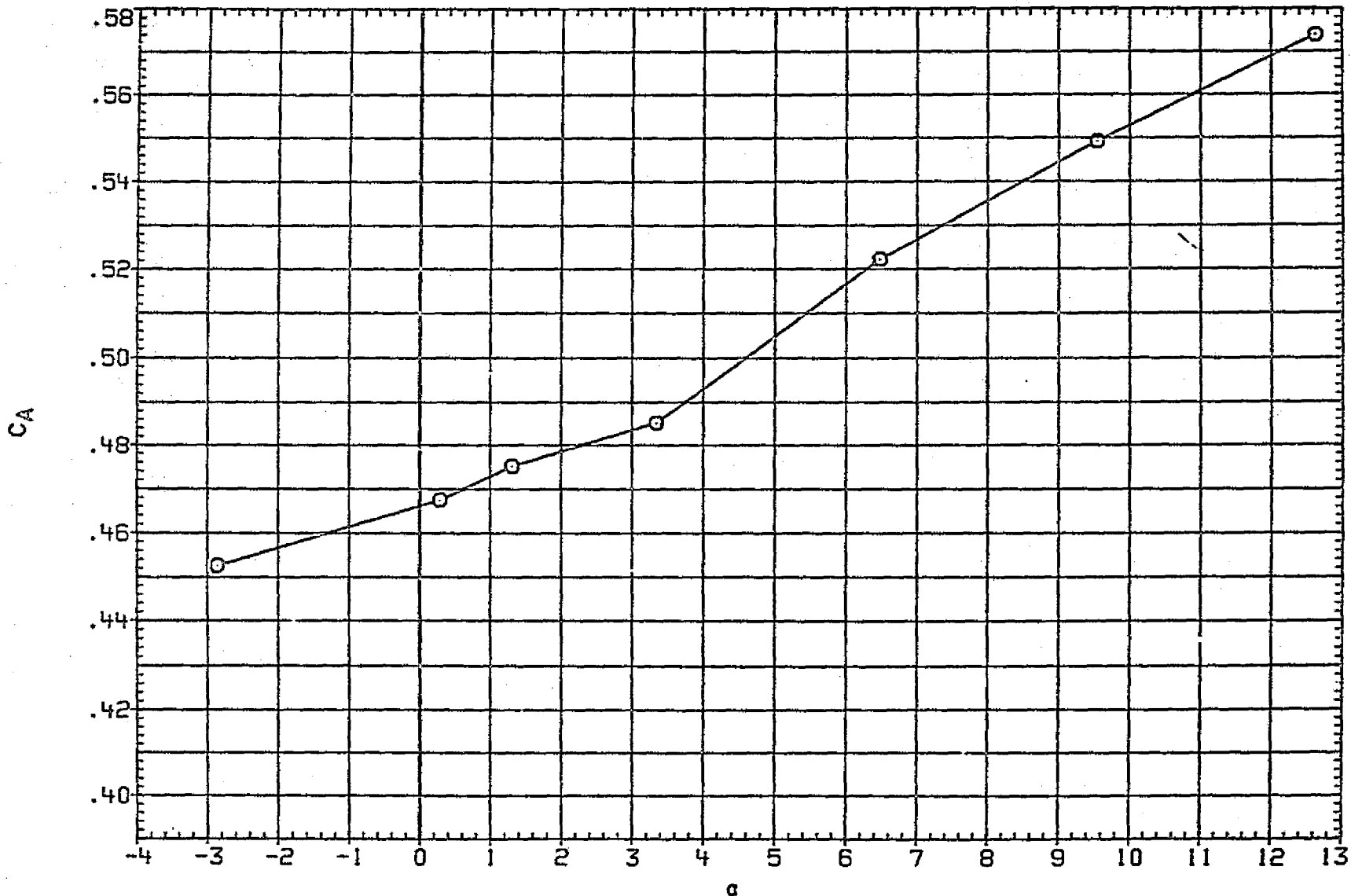


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(TE2236)

CONFIGURATION 13 (BNIC4T1)

SYMBOL DATA

O

PARAMETRIC VALUES

| | | | |
|-------|--------|-------|-------|
| MACH | 1.990 | BETA | .000 |
| D1 | 6.000 | D3 | 6.000 |
| D2 | 6.000 | D4 | 6.000 |
| D1-3 | 6.000 | D2-4 | 6.000 |
| PHI-C | 45.000 | PHI-T | .000 |

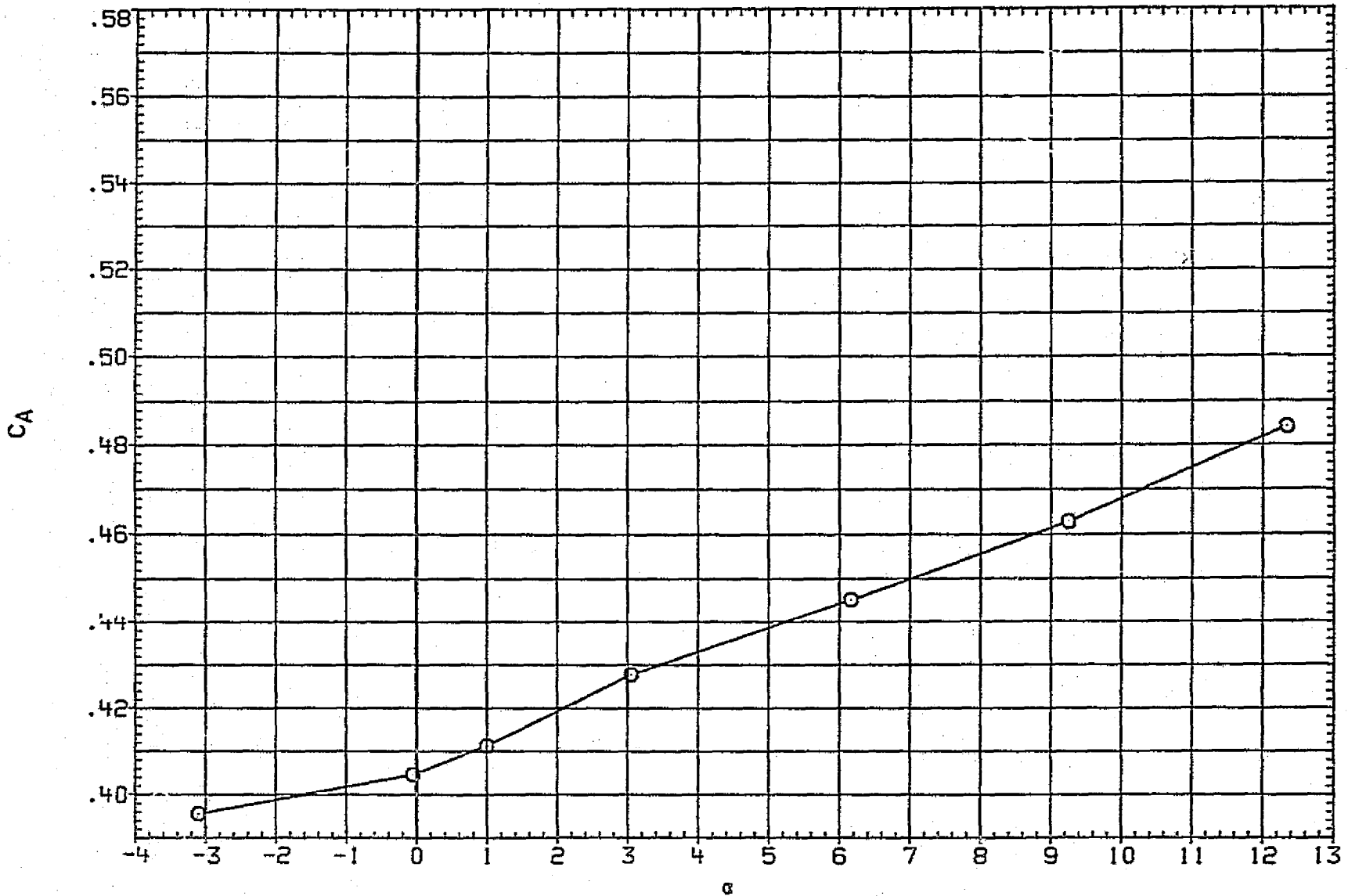


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2236) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CY | MACH | 1.502 | BETA | .000 |
| □ | CYC | D1 | 6.000 | D3 | 6.000 |
| ◇ | CYT | D2 | 6.000 | D4 | 6.000 |
| △ | CYB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

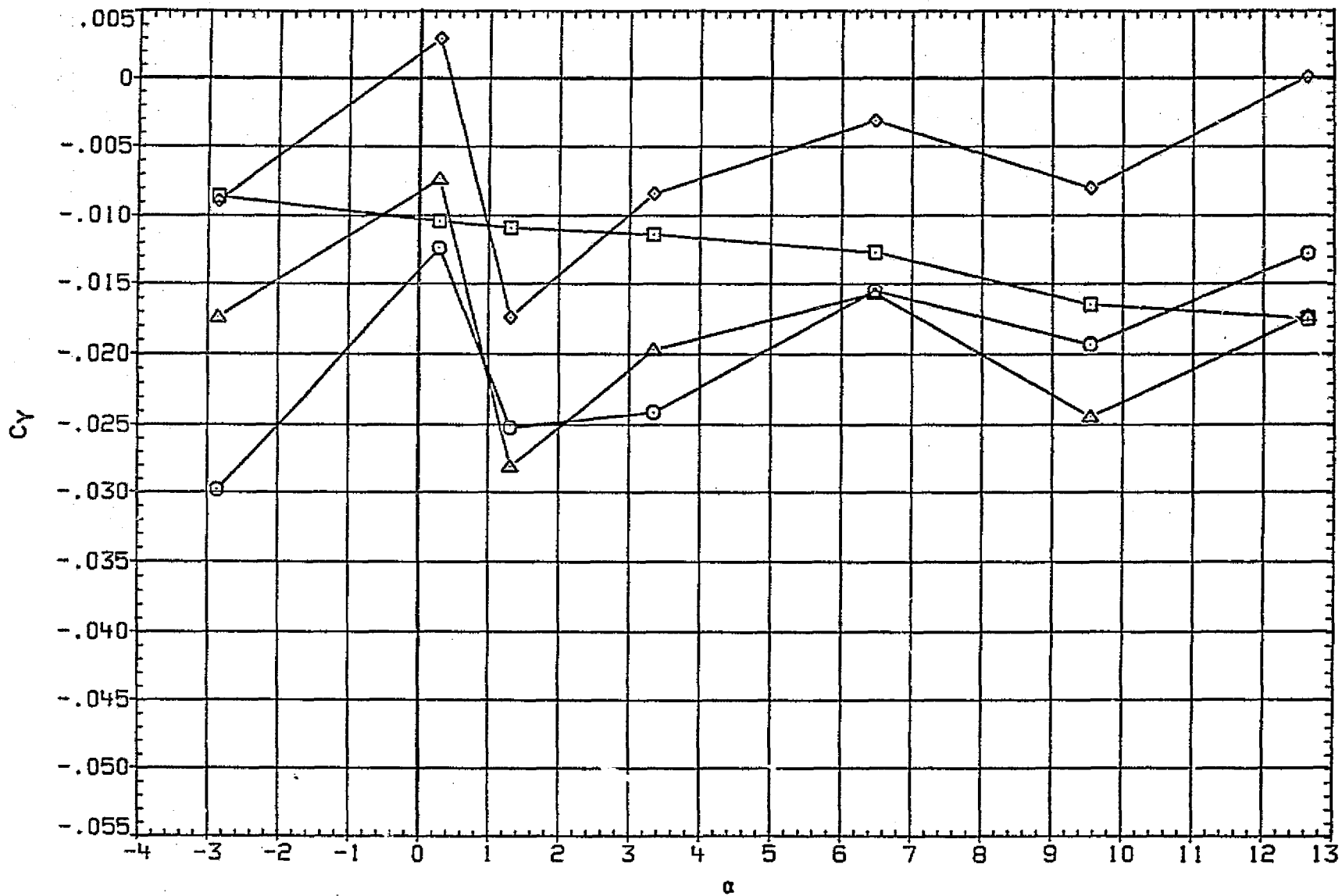


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2236) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CY | MACH | 1.990 | BETA | .000 |
| □ | CYC | D1 | 6.000 | D3 | 6.000 |
| ◇ | CYT | D2 | 6.000 | D4 | 6.000 |
| △ | CYB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

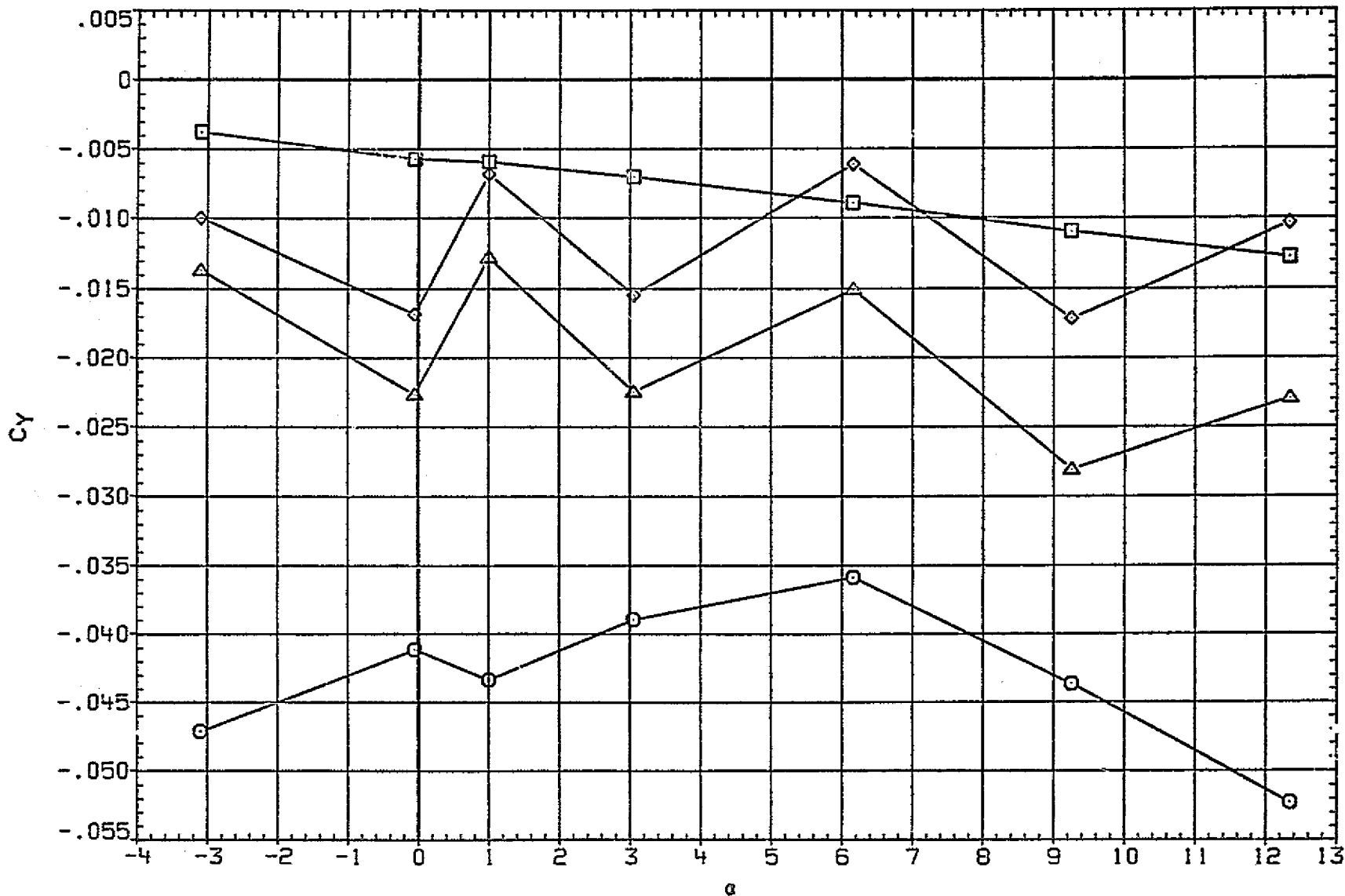


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2235) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CYM | MACH | 1.502 | BETA | .000 |
| ○ | CYMC | D1 | 6.000 | D3 | 6.000 |
| △ | CYMT | D2 | 6.000 | D4 | 6.000 |
| □ | CYMB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

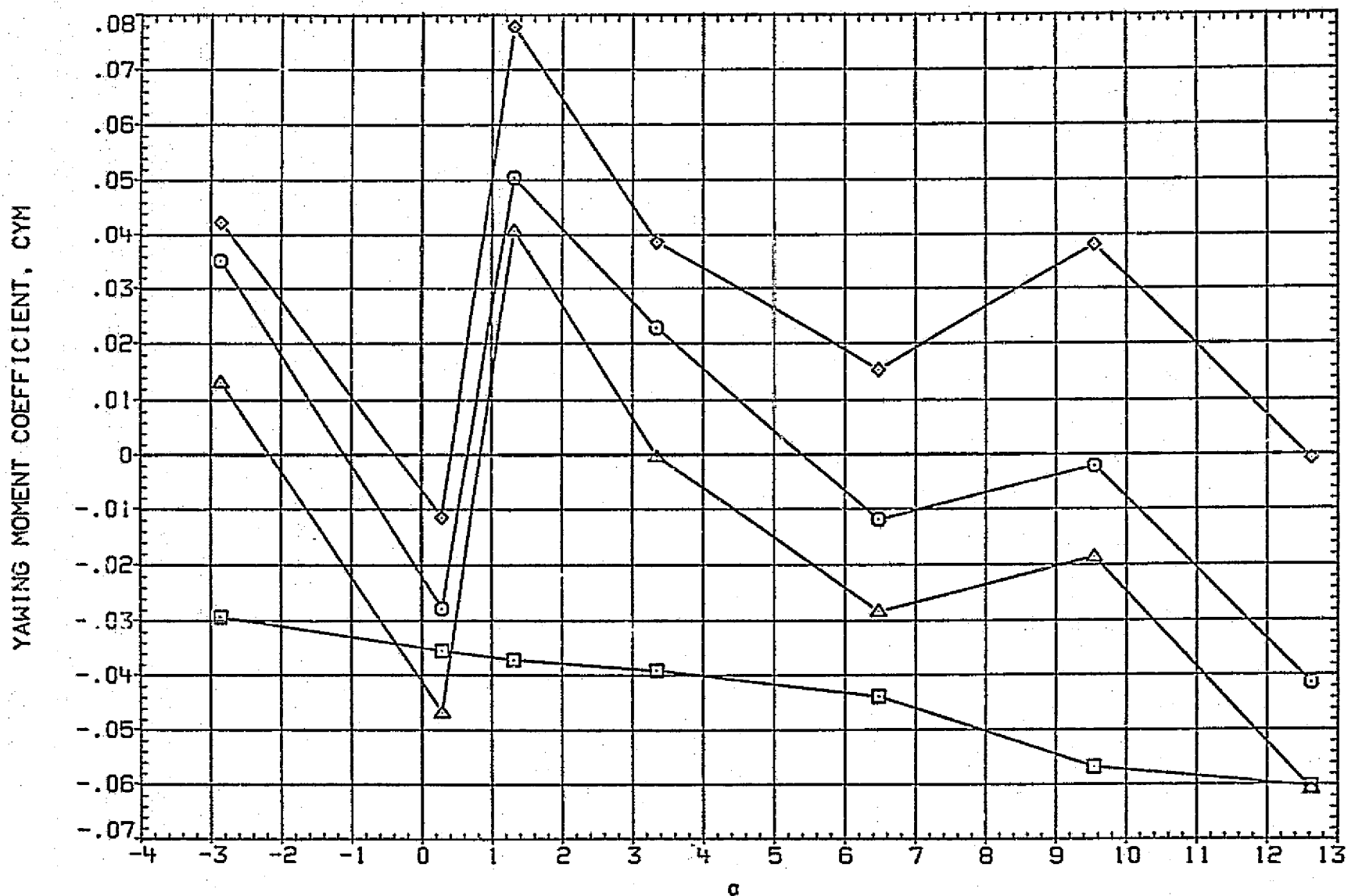


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2236) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CYM | MACH | 1.990 | BETA | .000 |
| □ | CYMC | D1 | 6.000 | D3 | 6.000 |
| △ | CYMT | D2 | 6.000 | D4 | 6.000 |
| | CYMB | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

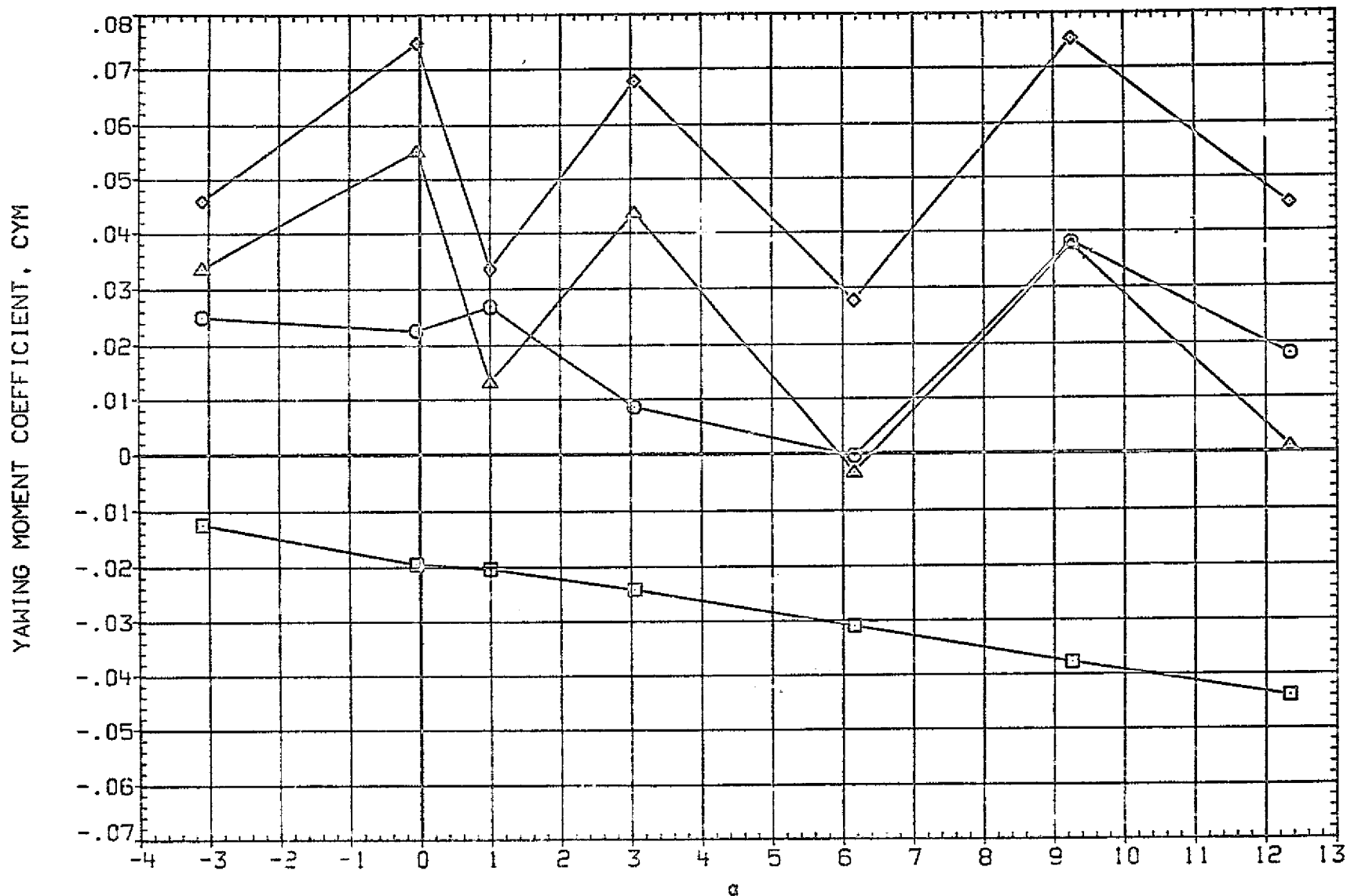


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(SE2236)

CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|-------|
| ○ | CRM | MACH | 1.502 | BETA | .000 |
| □ | CRM C | D1 | 6.000 | D3 | 6.000 |
| ◇ | CRM T | D2 | 6.000 | D4 | 6.000 |
| △ | CRM B | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

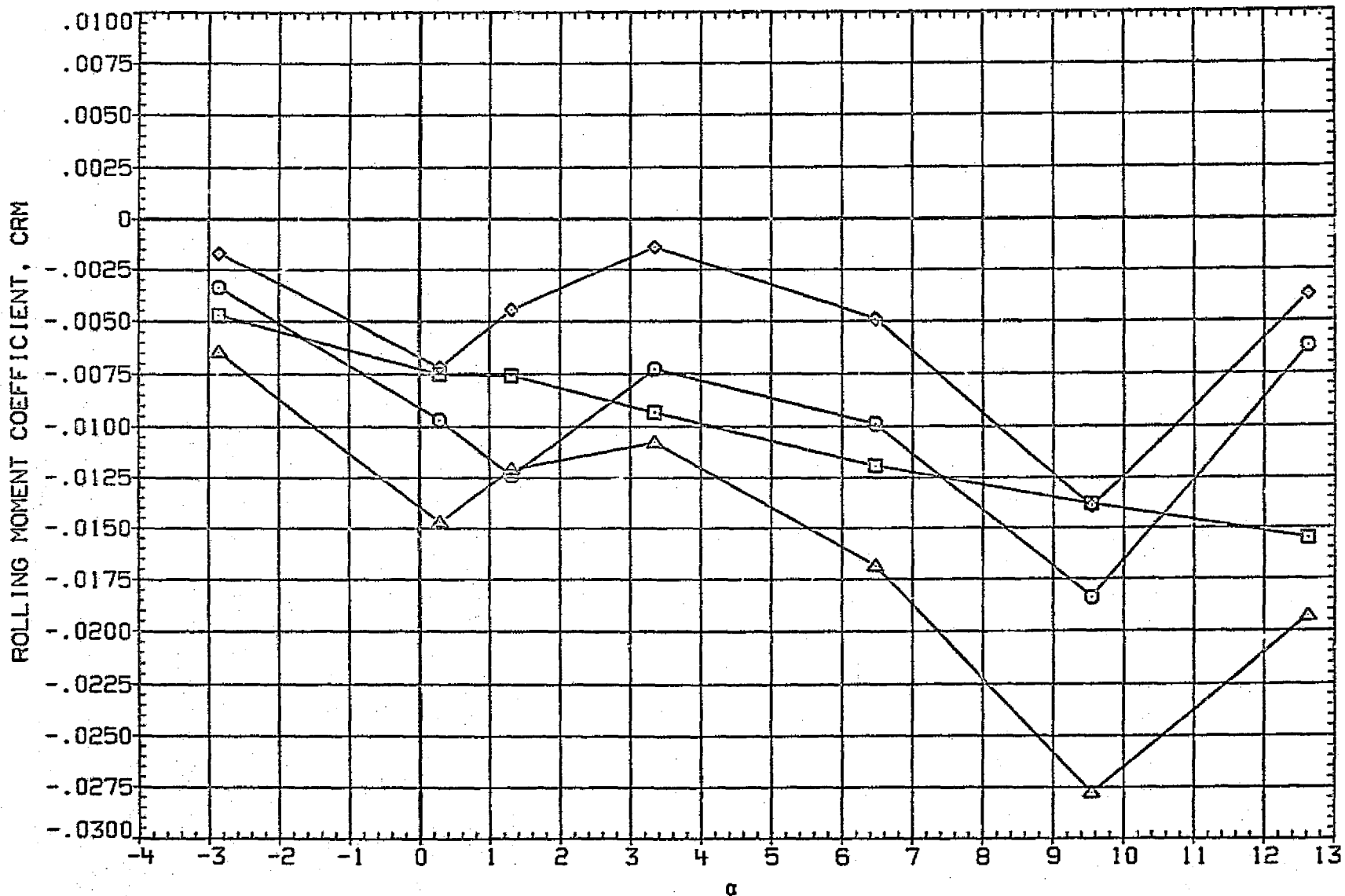


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(SEZ236) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|-------|
| ○ | CRM | MACH | 1.990 | BETA | .000 |
| ◇ | CRM/C | D1 | 6.000 | D3 | 6.000 |
| □ | CRM/T | D2 | 6.000 | D4 | 6.000 |
| △ | CRM/B | D1-3 | 6.000 | D2-4 | 6.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

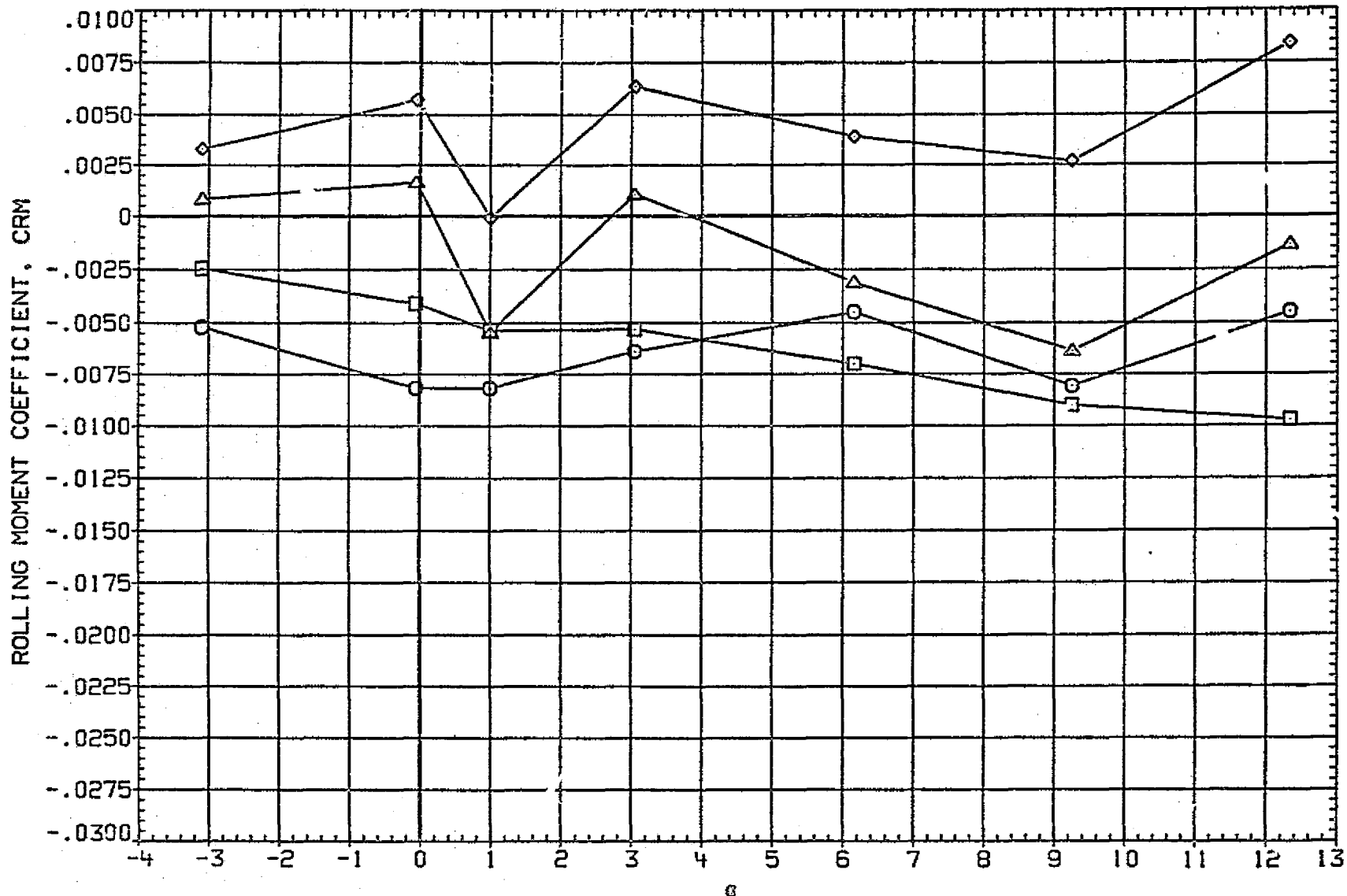


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ237)

CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MAC-1 | 1.502 | BETA | .000 |
| □ | CNC | D1 | 9.000 | D3 | 9.000 |
| ◇ | CNT | D2 | 9.000 | D4 | 9.000 |
| △ | CNB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

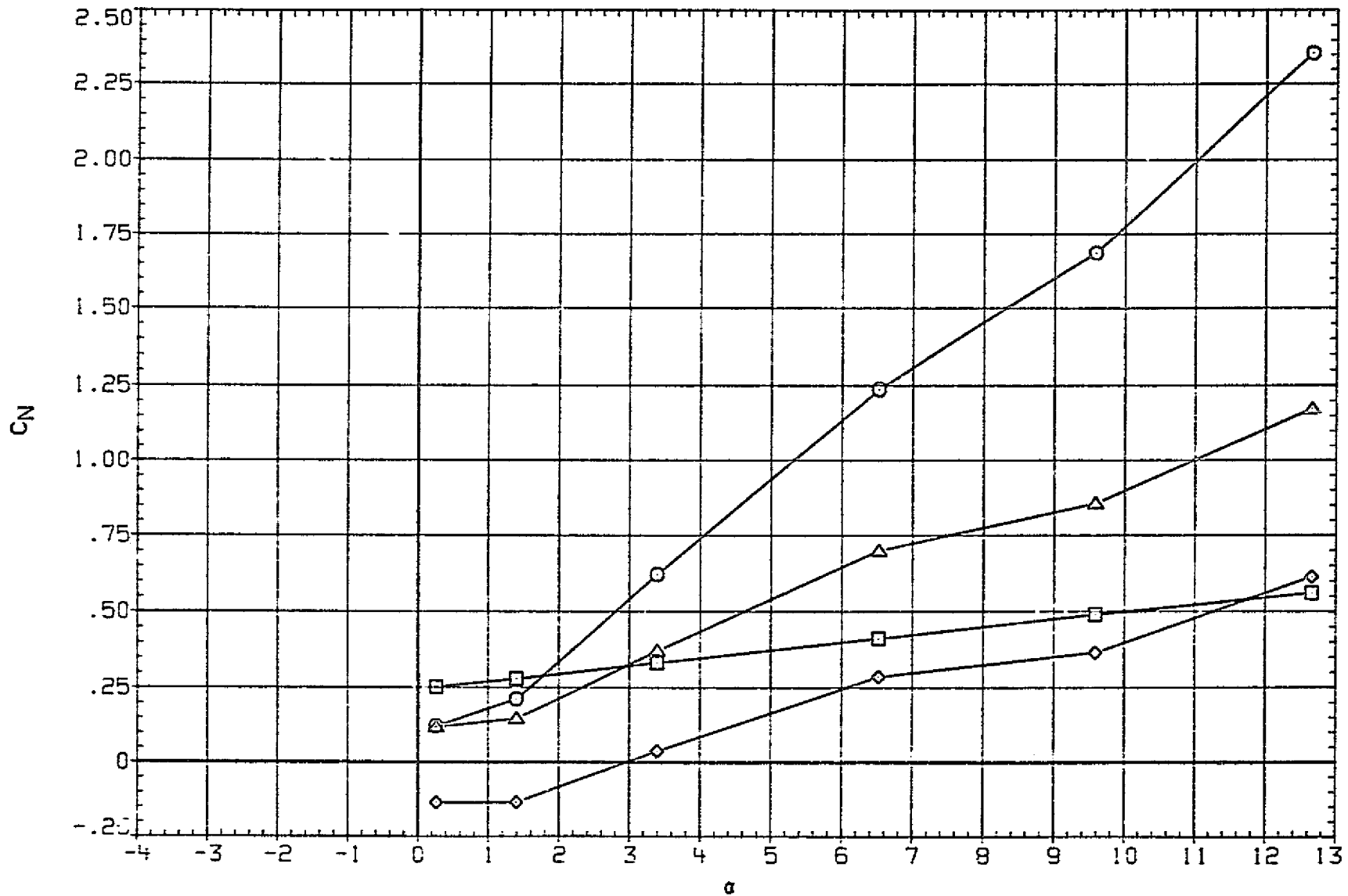


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ237) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CN | MACH | 1.995 | BETA | .000 |
| □ | CNC | D1 | 9.000 | D3 | 9.000 |
| △ | CNT | D2 | 9.000 | D4 | 9.000 |
| | CNB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

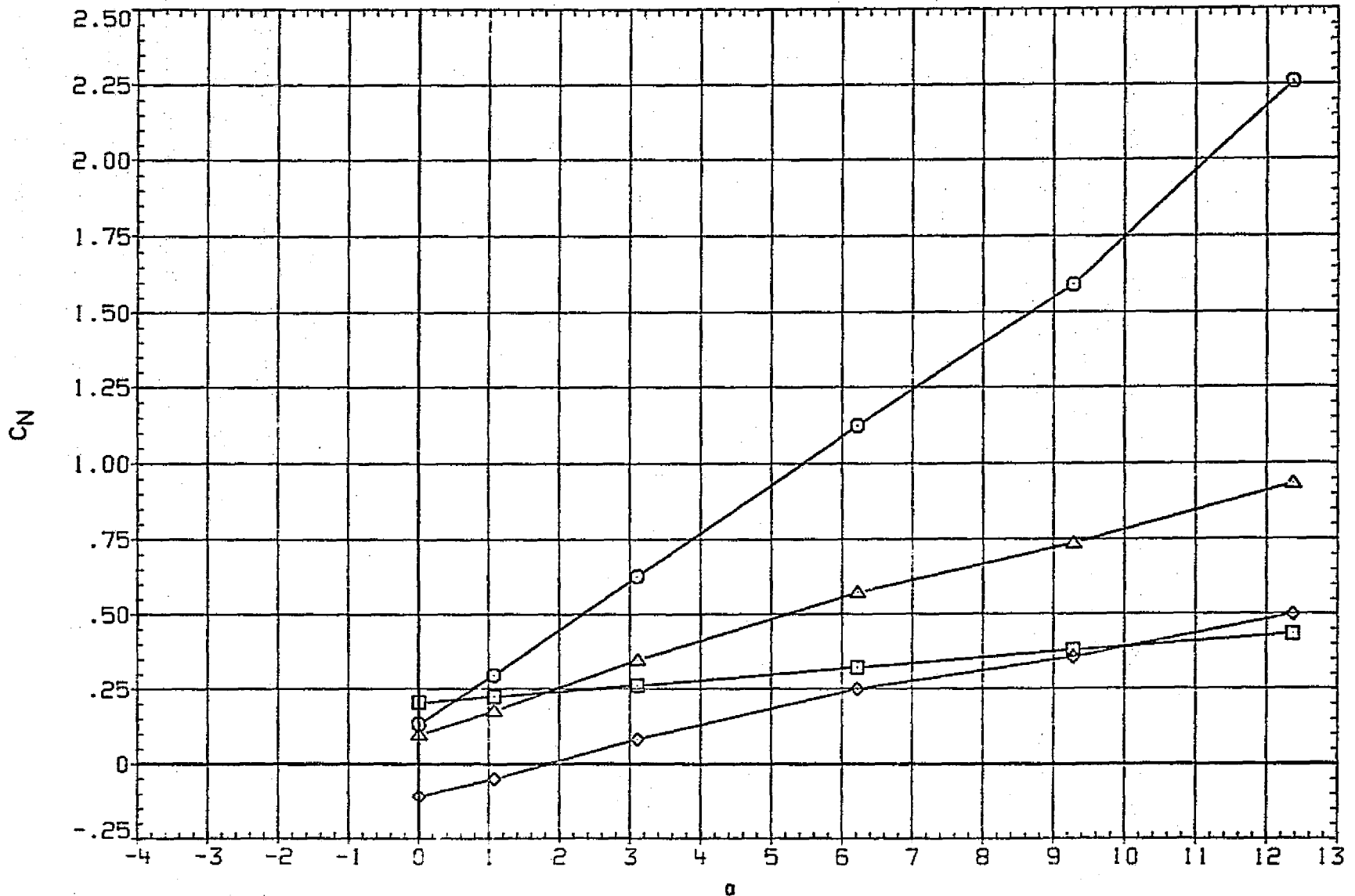


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ237) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CM | MACH | 1.502 | BETA | .000 |
| □ | CMC | D1 | 9.000 | D3 | 9.000 |
| ◇ | CMT | D2 | 9.000 | D4 | 9.000 |
| △ | CHB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

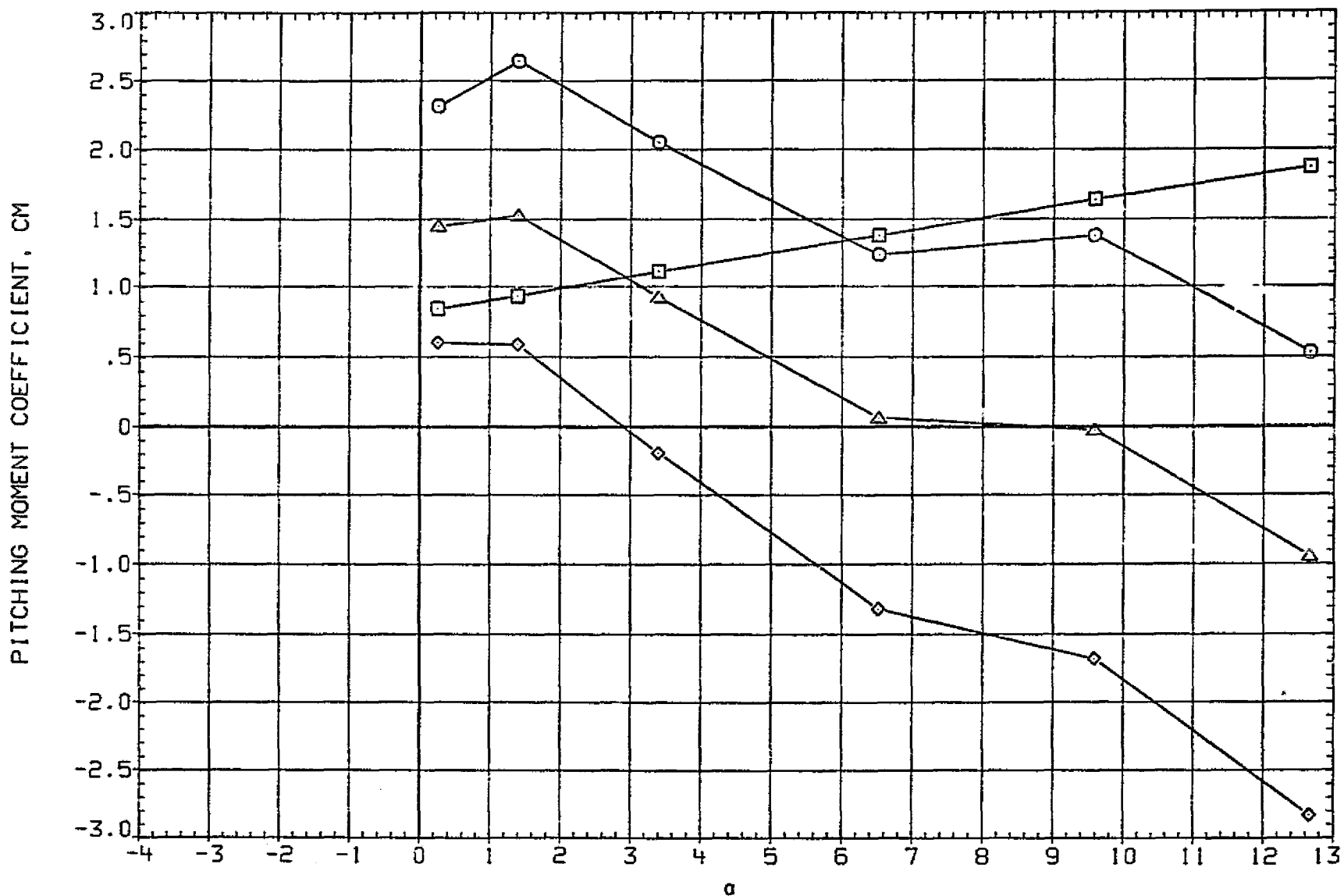


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ237) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CM | MACH | 1.995 | BETA | .000 |
| □ | CMC | D1 | 9.000 | D3 | 9.000 |
| ◇ | CMT | D2 | 9.000 | D4 | 9.000 |
| △ | CMB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

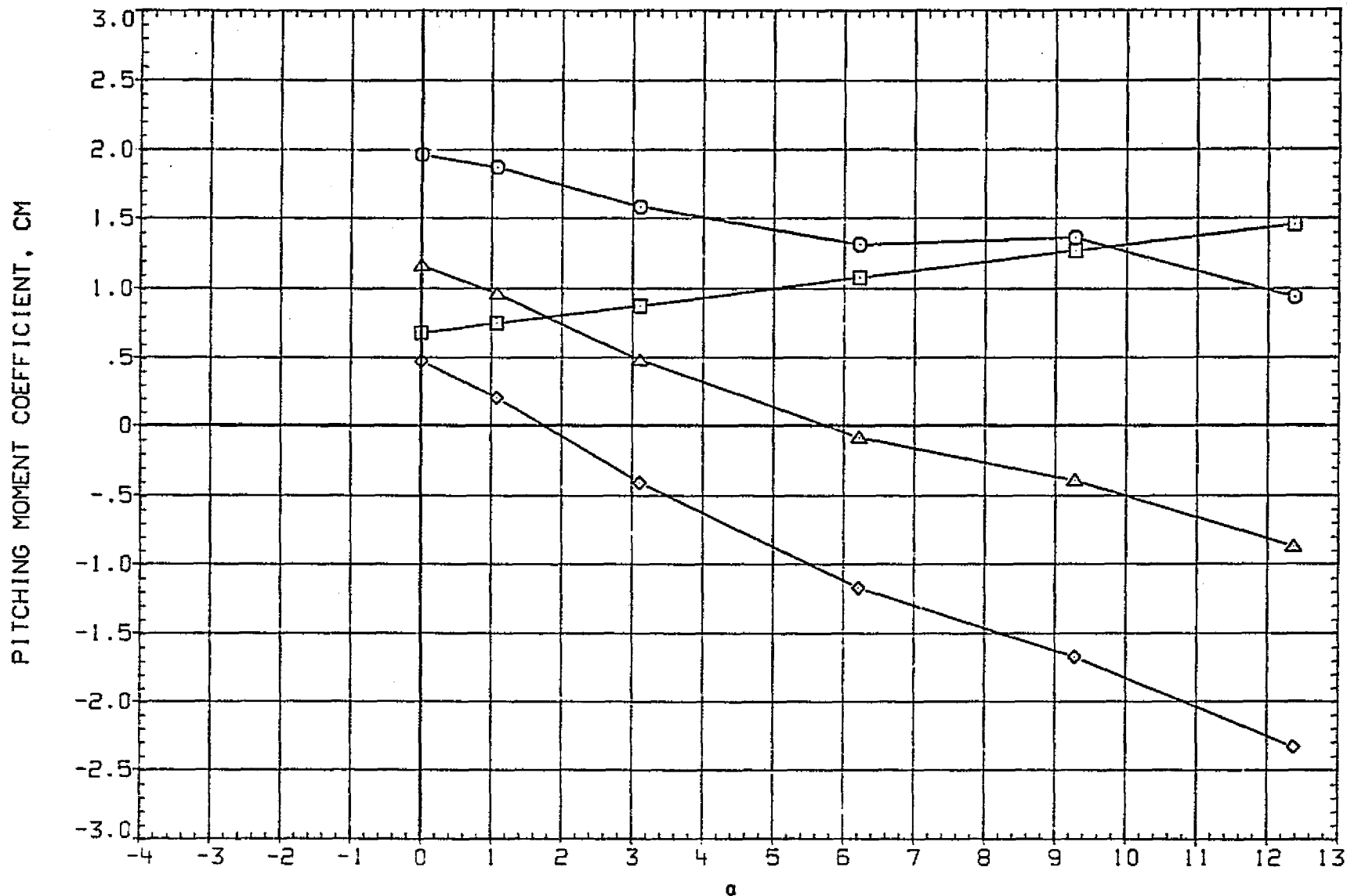


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(TEZ237)

CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| O | CA | MACH | 1.502 | BETA | .000 |
| | | D1 | 9.000 | D3 | 9.000 |
| | | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

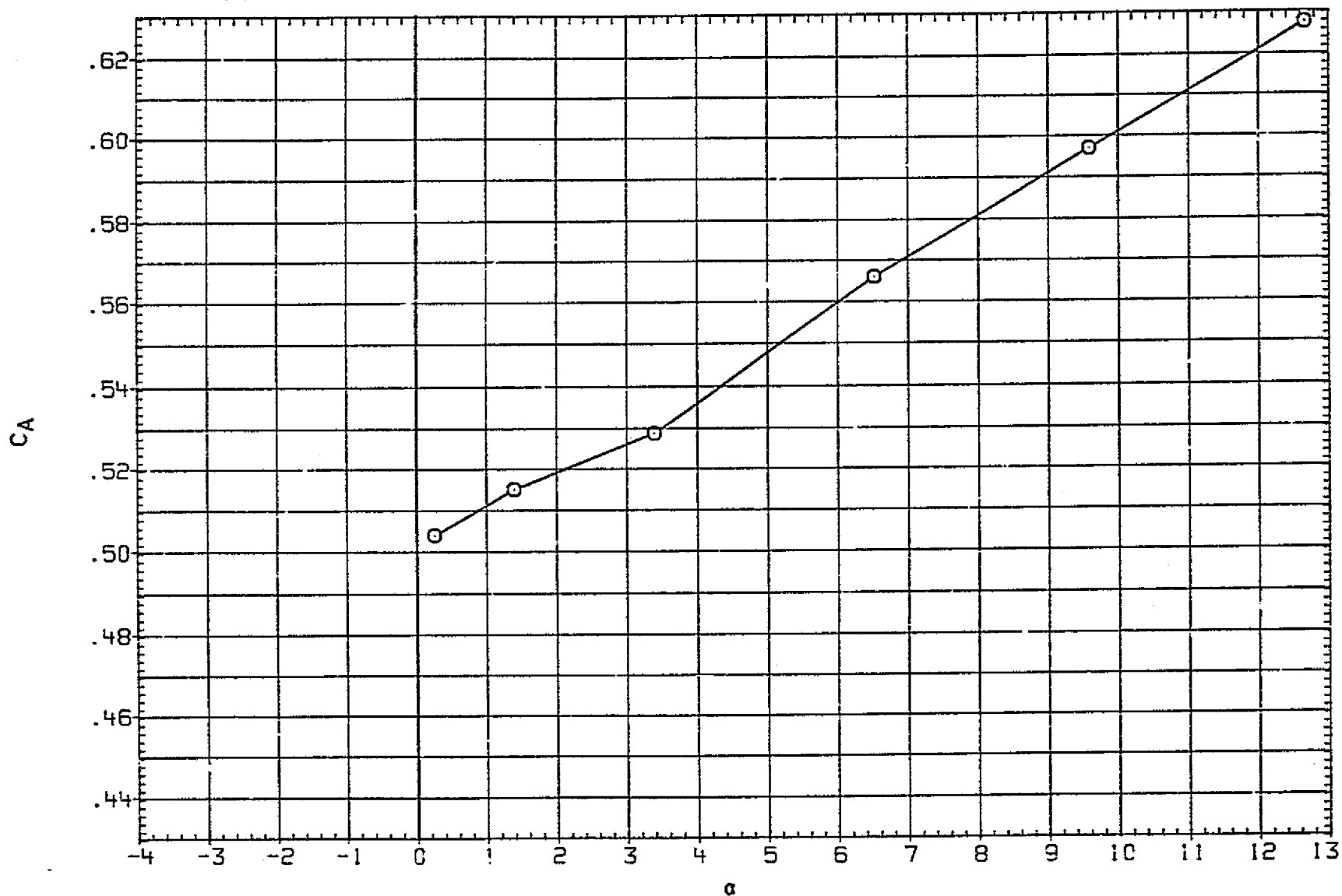


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(TEZ237) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| O | CA | MACH | 1.995 | BETA | .000 |
| | | D1 | 9.000 | D3 | 9.000 |
| | | D2 | 9.000 | D4 | 9.000 |
| | | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .030 |

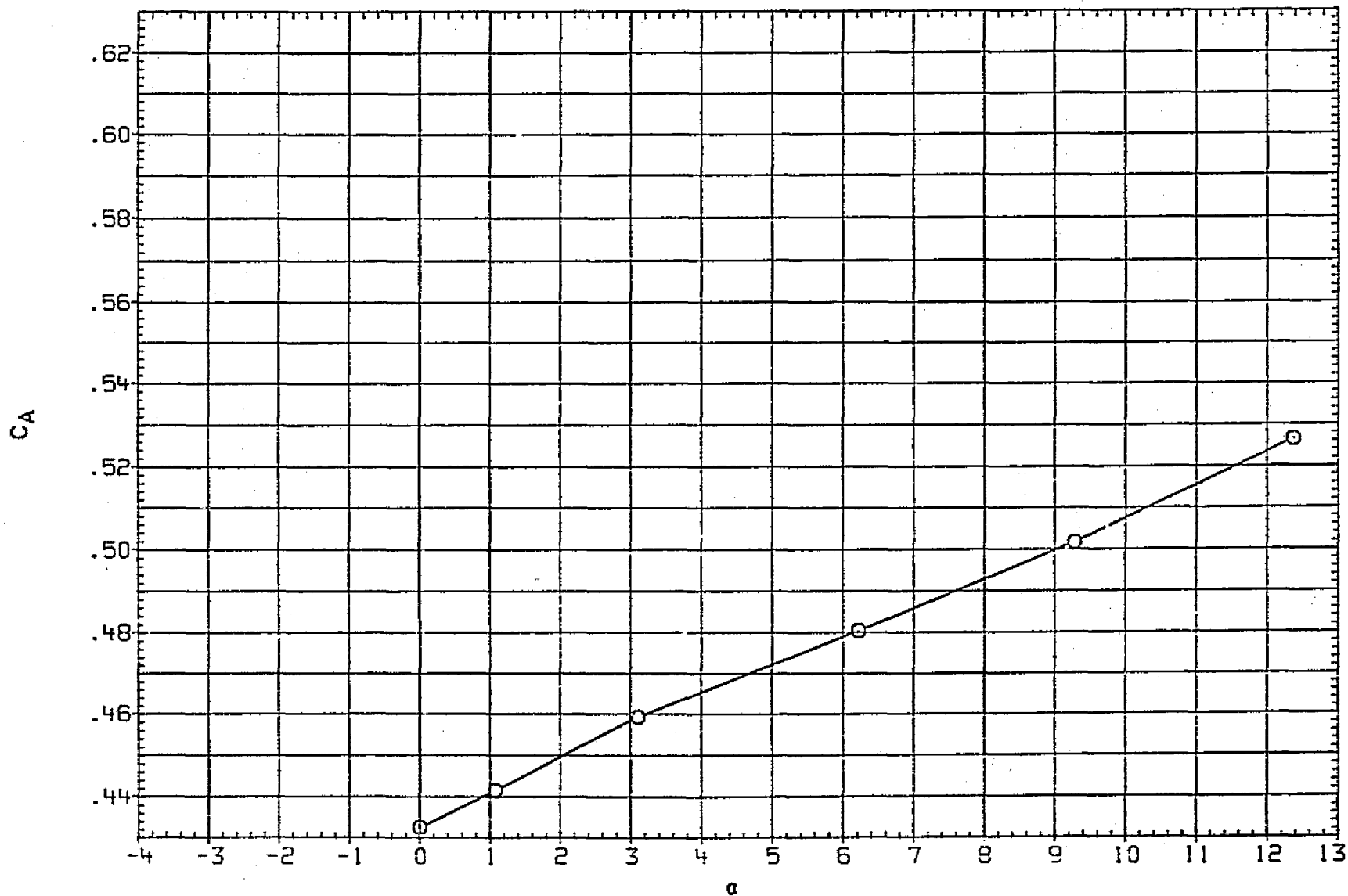


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2237) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CY | MACH | 1.502 | BETA | .000 |
| □ | CYC | D1 | 9.000 | D3 | 9.000 |
| ◇ | CYT | D2 | 9.000 | D4 | 9.000 |
| △ | CYB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

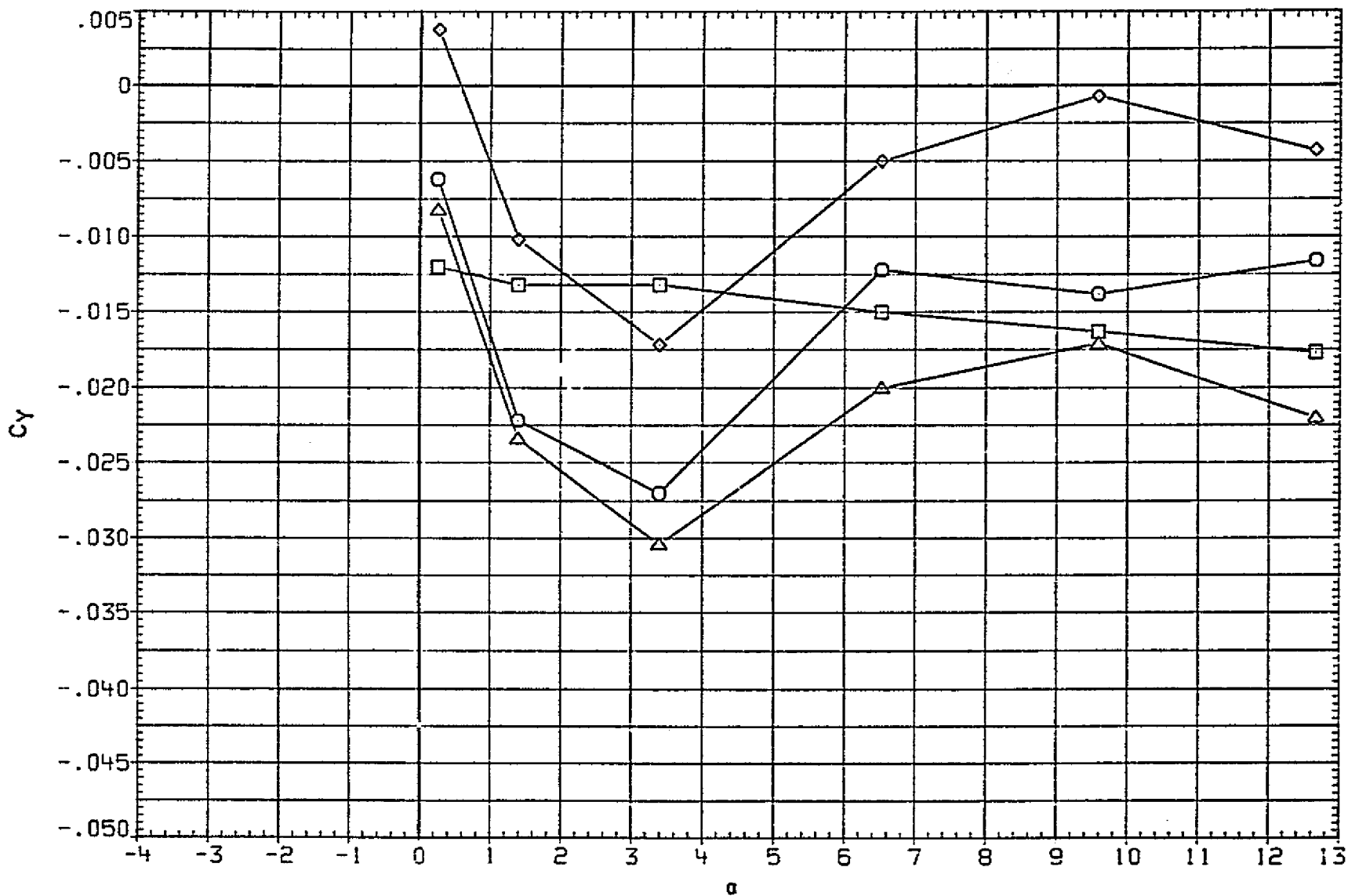


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2237) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ○ | CY | MACH | 1.995 | BETA | .000 |
| □ | CYC | D1 | 9.000 | D3 | 9.000 |
| ◇ | CYT | D2 | 9.000 | D4 | 9.000 |
| △ | CYB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

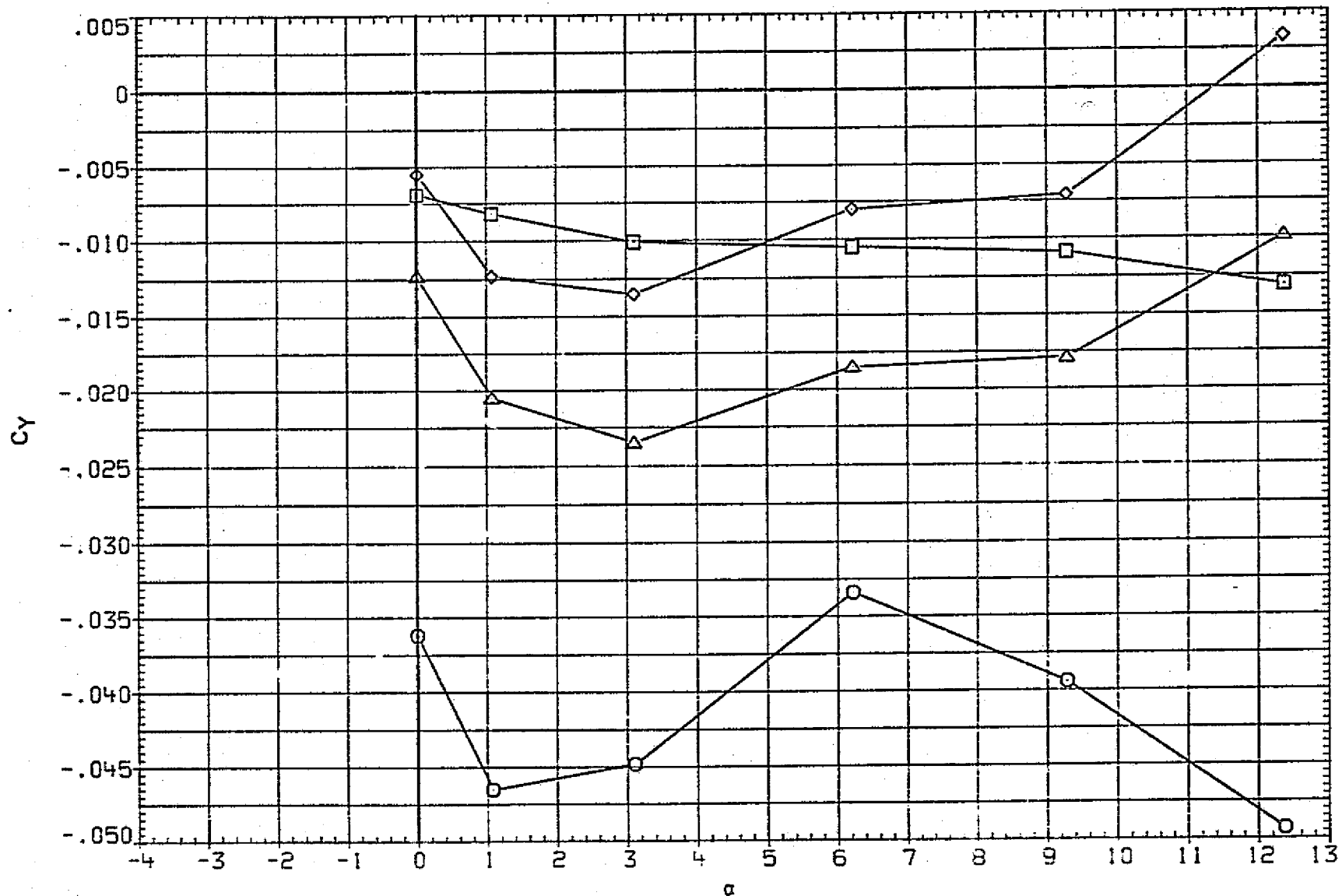


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2237) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES |
|--------|------|-------------------------|
| ◇ | CYM | MACH 1.502 BETA .000 |
| ○ | CYMC | D1 9.000 D3 9.000 |
| △ | CYMT | D2 9.000 D4 9.000 |
| □ | CYMB | D1-3 9.000 D2-4 9.000 |
| | | PHI-C 45.000 PHI-T .000 |

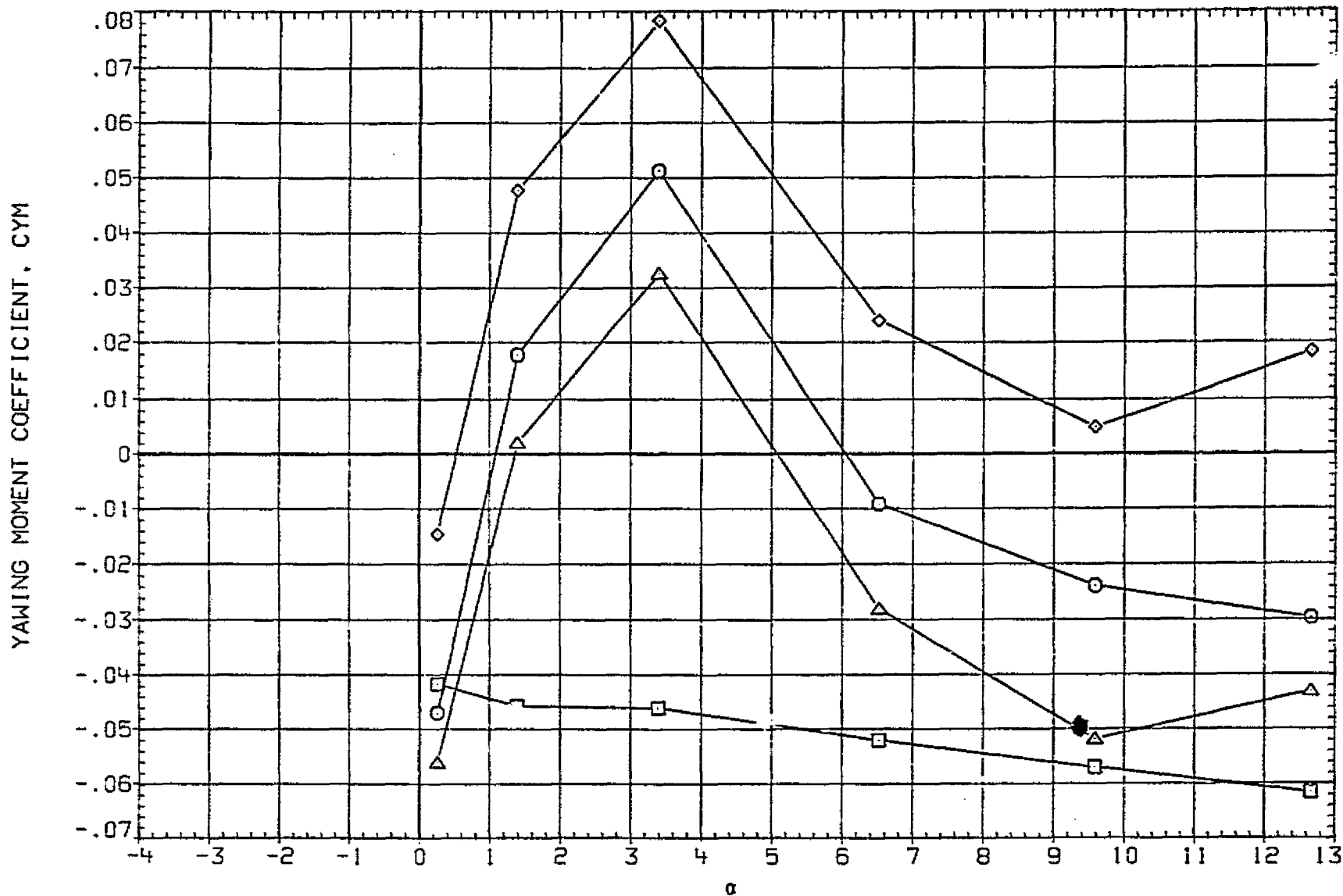


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2237) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|-------|
| ◇ | CYM | MACH | 1.995 | BETA | .000 |
| □ | CYMC | D1 | 9.000 | D3 | 9.000 |
| ○ | CYMT | D2 | 9.000 | D4 | 9.000 |
| △ | CYMB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

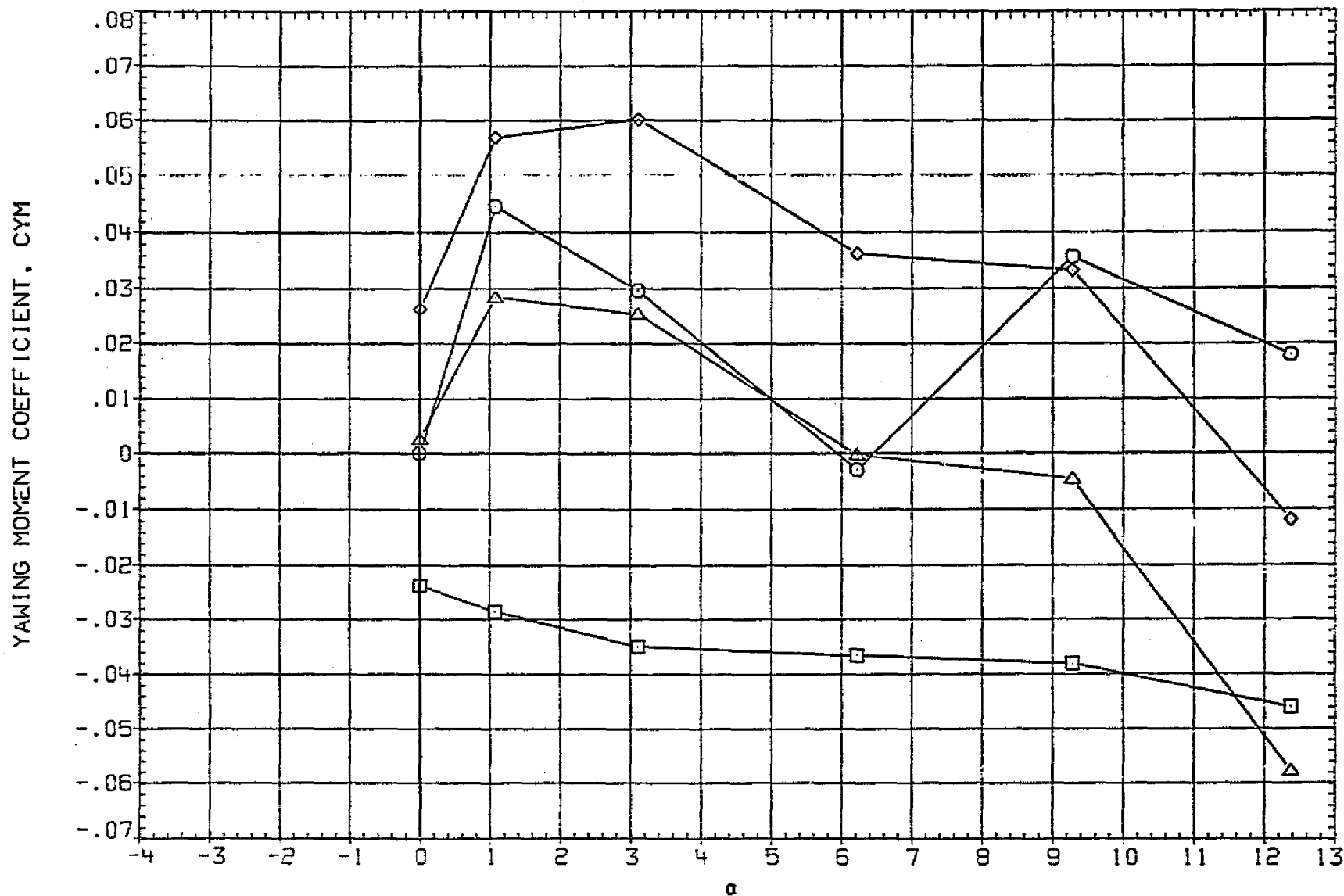


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(SEZ237) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|-------|
| ○ | CRM | MACH | 1.502 | BETA | .000 |
| □ | CRM C | D1 | 9.000 | D3 | 9.000 |
| ◇ | CRM T | D2 | 9.000 | D4 | 9.000 |
| △ | CRM B | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

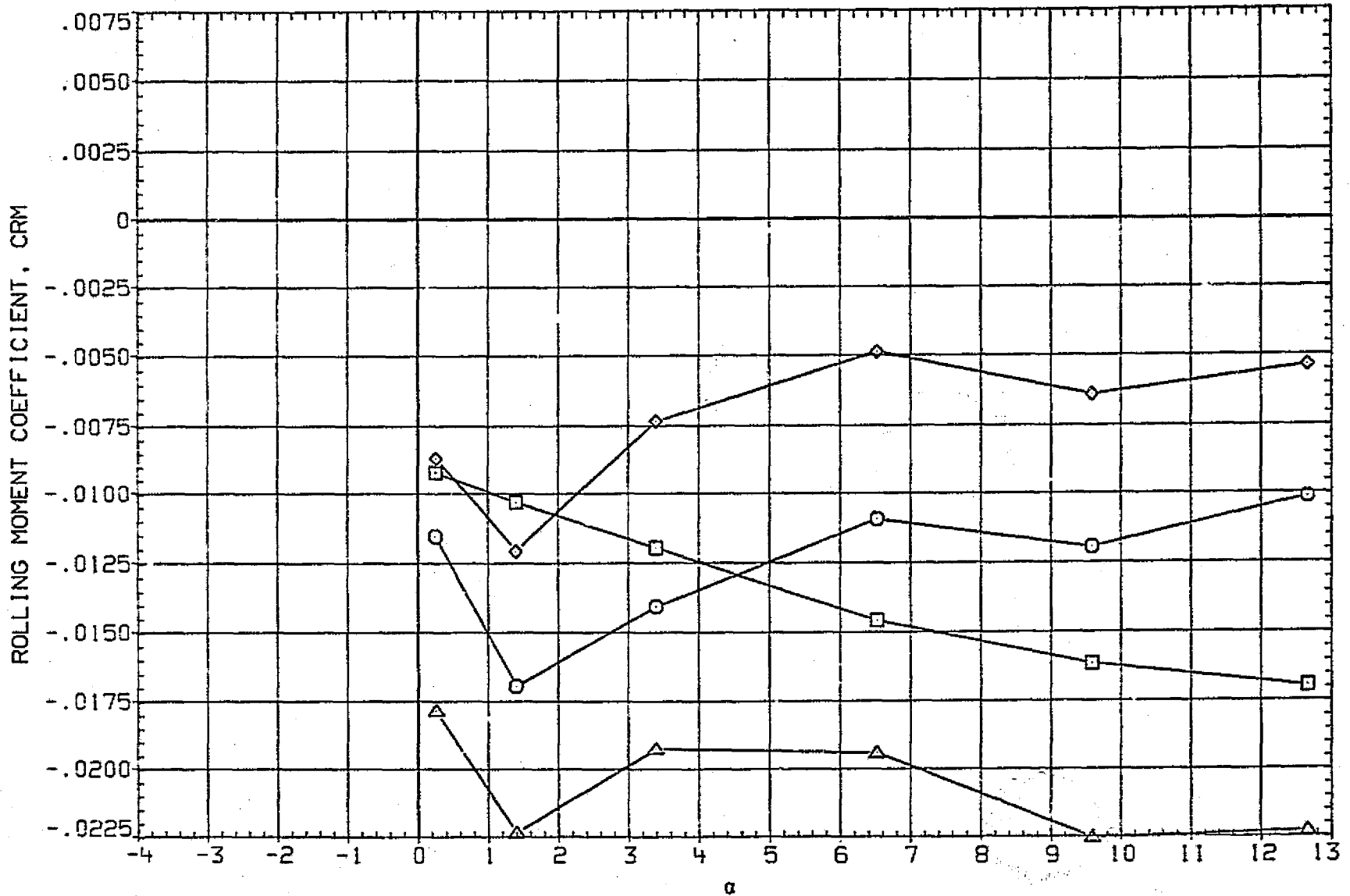


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(SEZ237) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|-------|
| ○ | CRM | MACH | 1.995 | BETA | .000 |
| □ | CRM/C | D1 | 9.000 | D3 | 9.000 |
| △ | CRM/T | D2 | 9.000 | D4 | 9.000 |
| ◇ | CRMB | D1-3 | 9.000 | D2-4 | 9.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

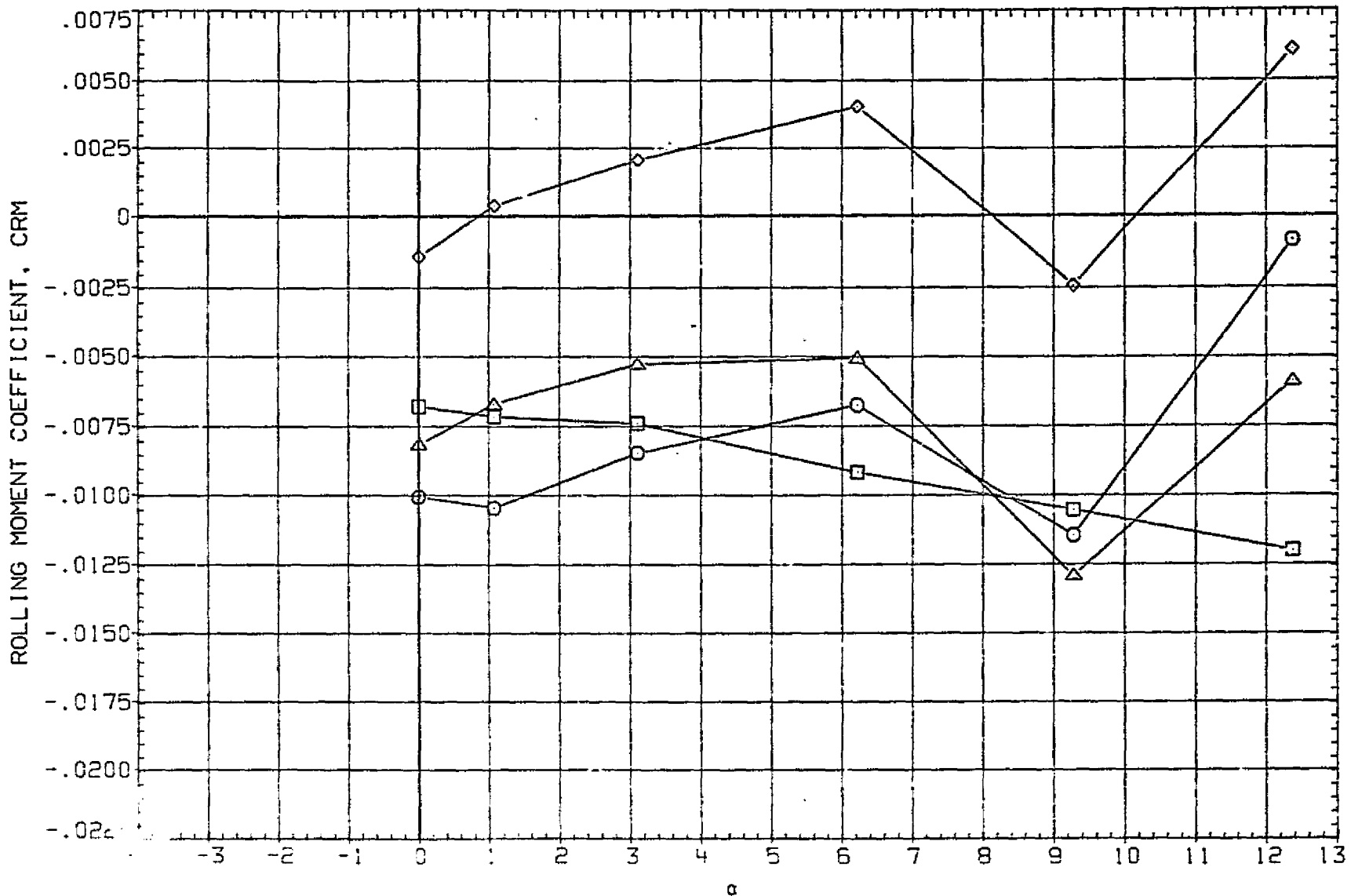


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ238) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.502 | BETA | .000 |
| △ | CNC | D1 | 15.000 | D3 | 15.000 |
| ◇ | CNT | D2 | 15.000 | D4 | 15.000 |
| ◇ | CNP | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

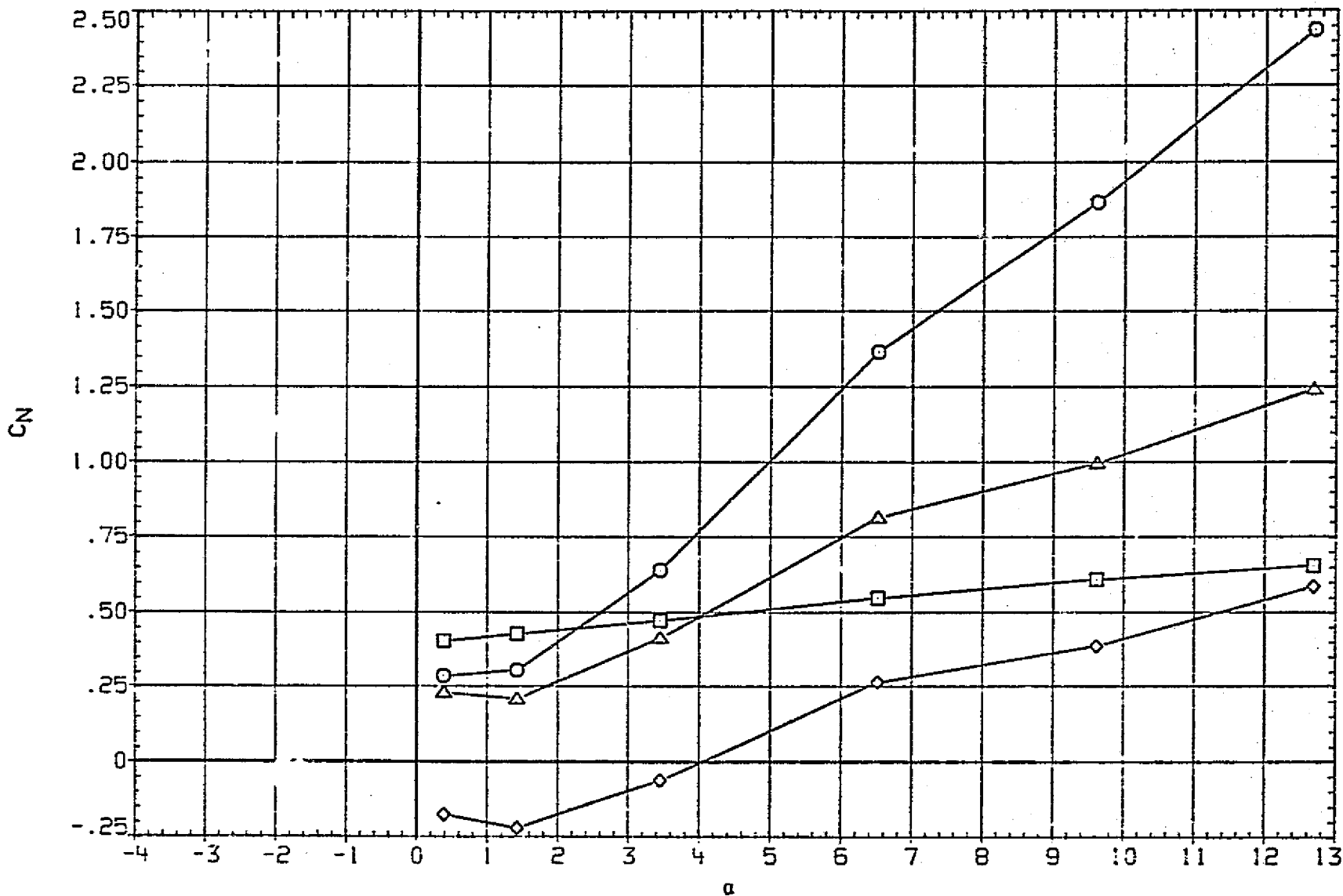


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ238)

CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CN | MACH | 1.996 | BETA | .000 |
| □ | CNC | D1 | 15.000 | D3 | 15.000 |
| △ | CNT | D2 | 15.000 | D4 | 15.000 |
| ◇ | CNB | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

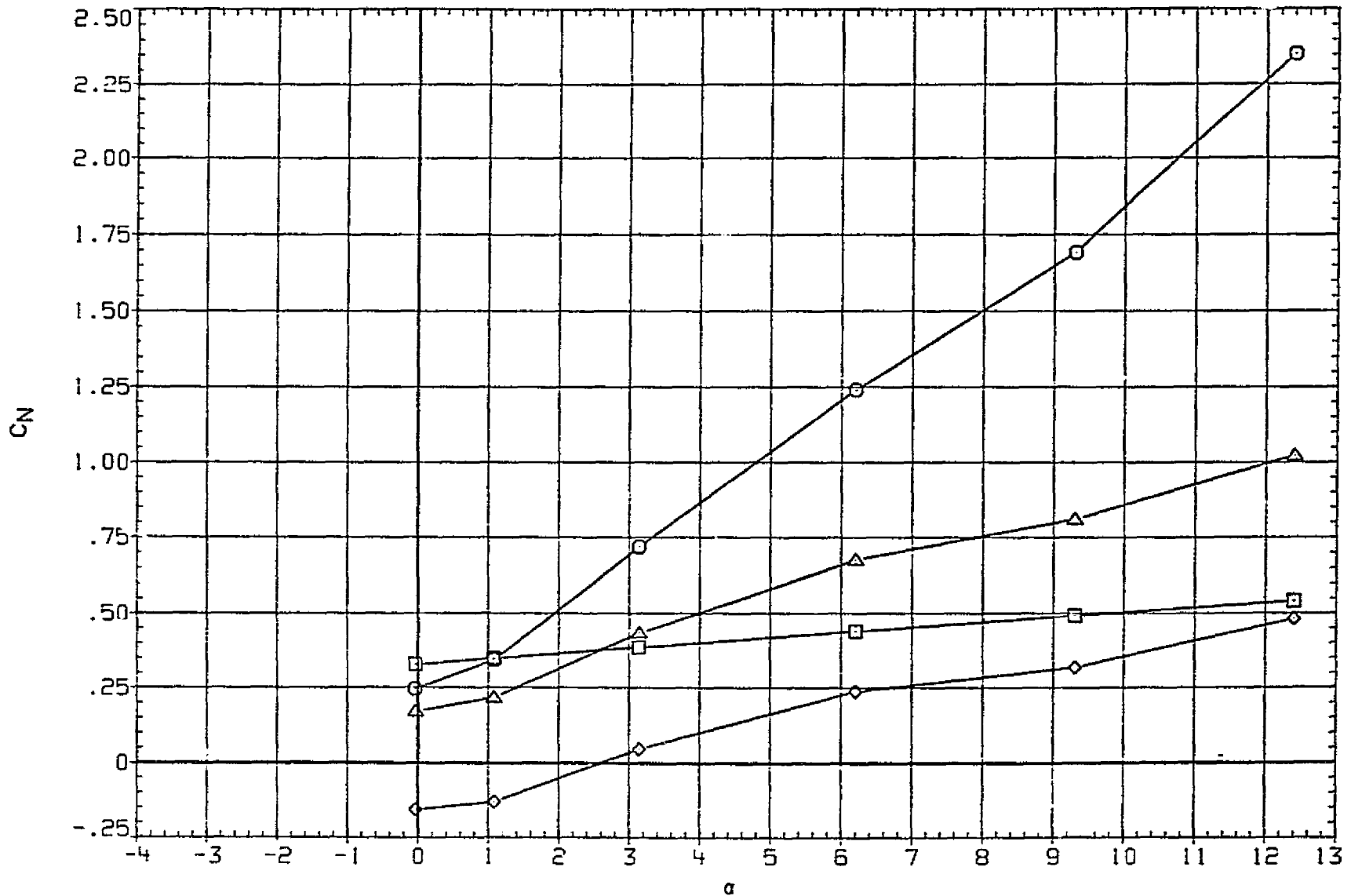


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ238) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|-------|--------|--|
| CM | MACH | 1.502 | BETA | .000 | |
| CMC | D1 | 15.000 | D3 | 15.000 | |
| CMT | D2 | 15.000 | D4 | 15.000 | |
| CMB | D1-3 | 15.000 | D2-4 | 15.000 | |
| | PHI-C | 45.000 | PHI-T | .000 | |

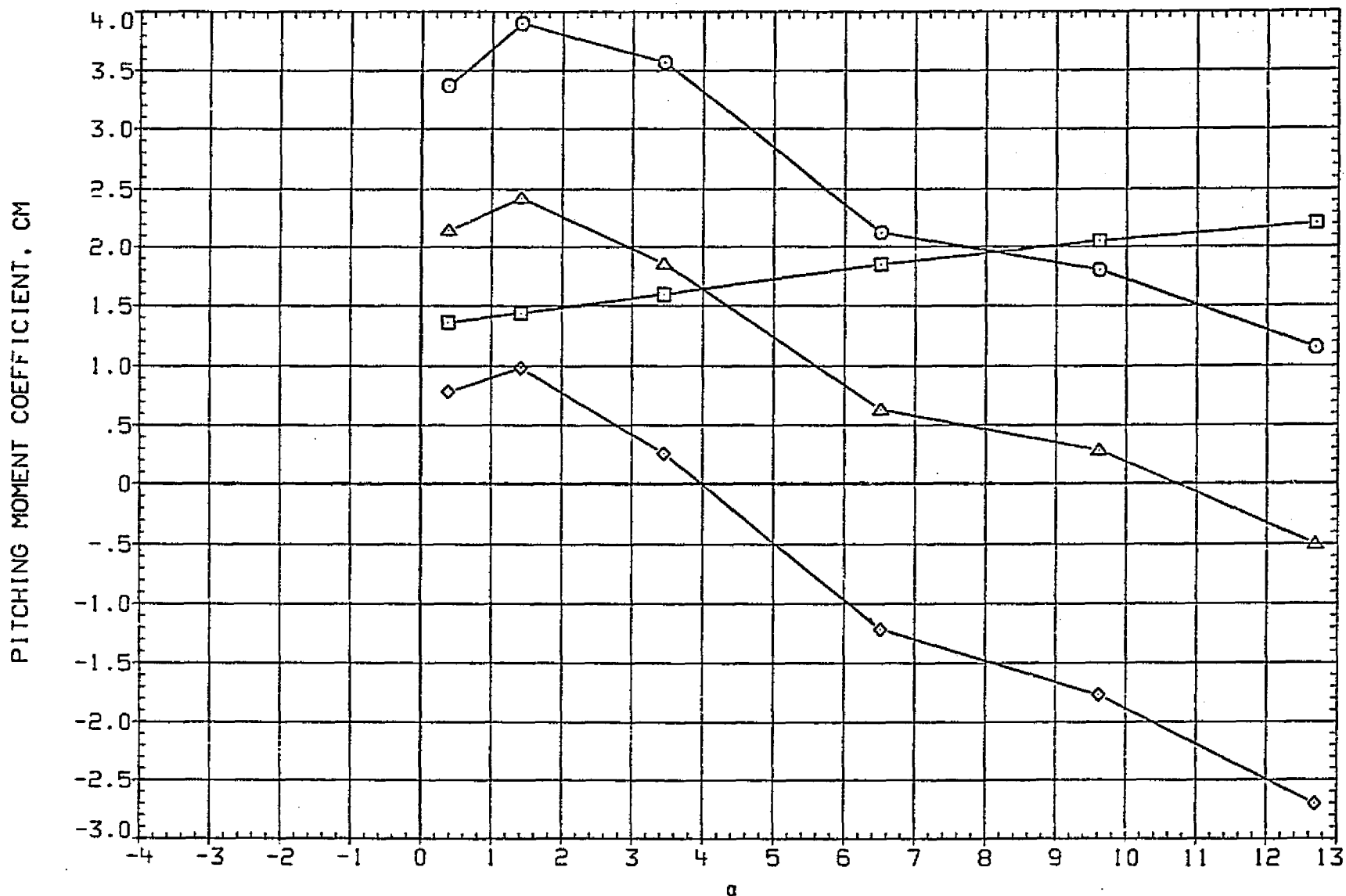


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(PEZ238) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| □ | CM | MACH | 1.996 | BETA | .000 |
| ◇ | CMC | D1 | 15.000 | D3 | 15.000 |
| △ | CMT | D2 | 15.000 | D4 | 15.000 |
| | CMB | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

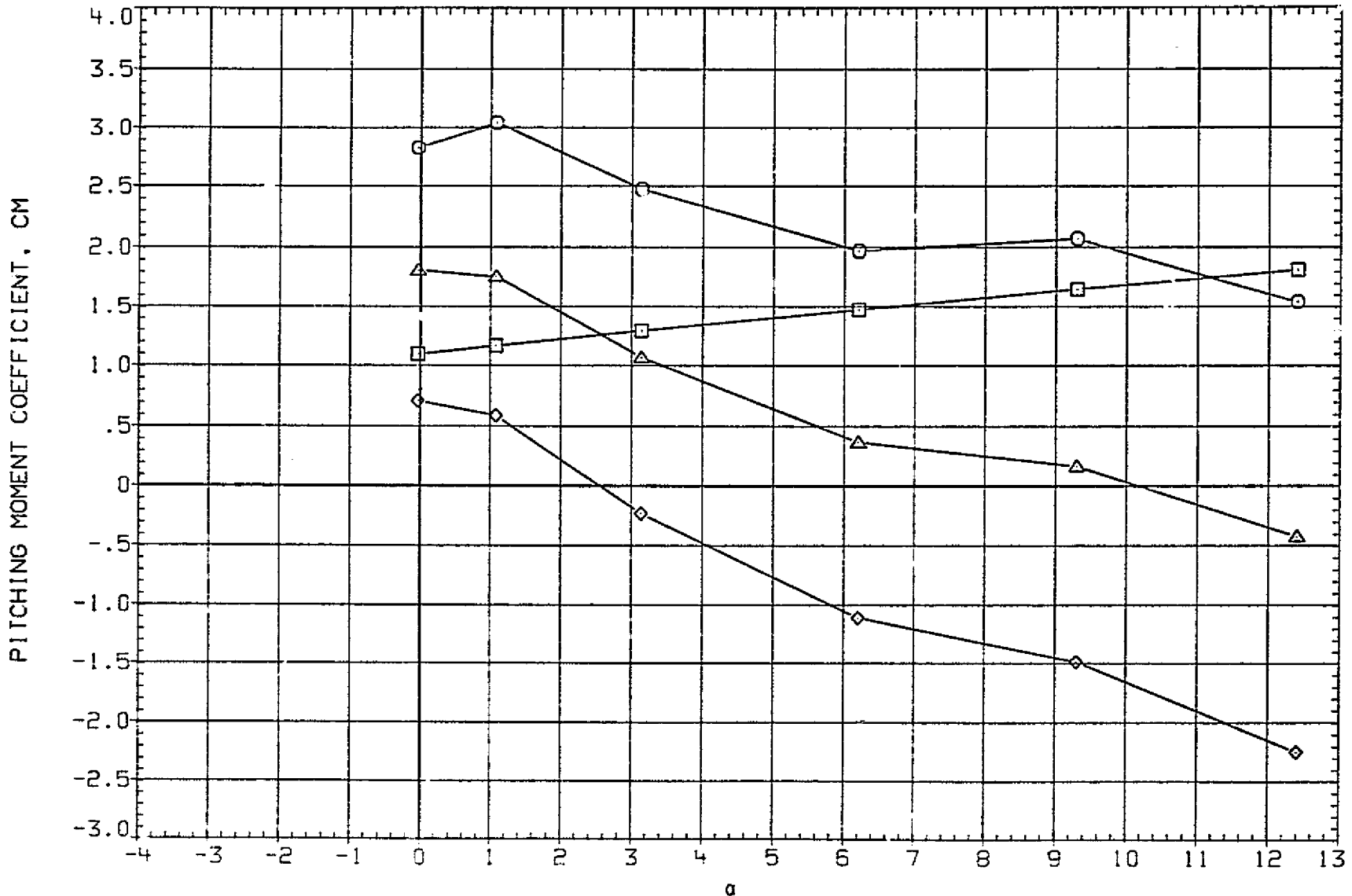


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(TEZ238) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CA | MACH | 1.502 | BETA | .000 |
| | | D1 | 15.000 | D3 | 15.000 |
| | | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

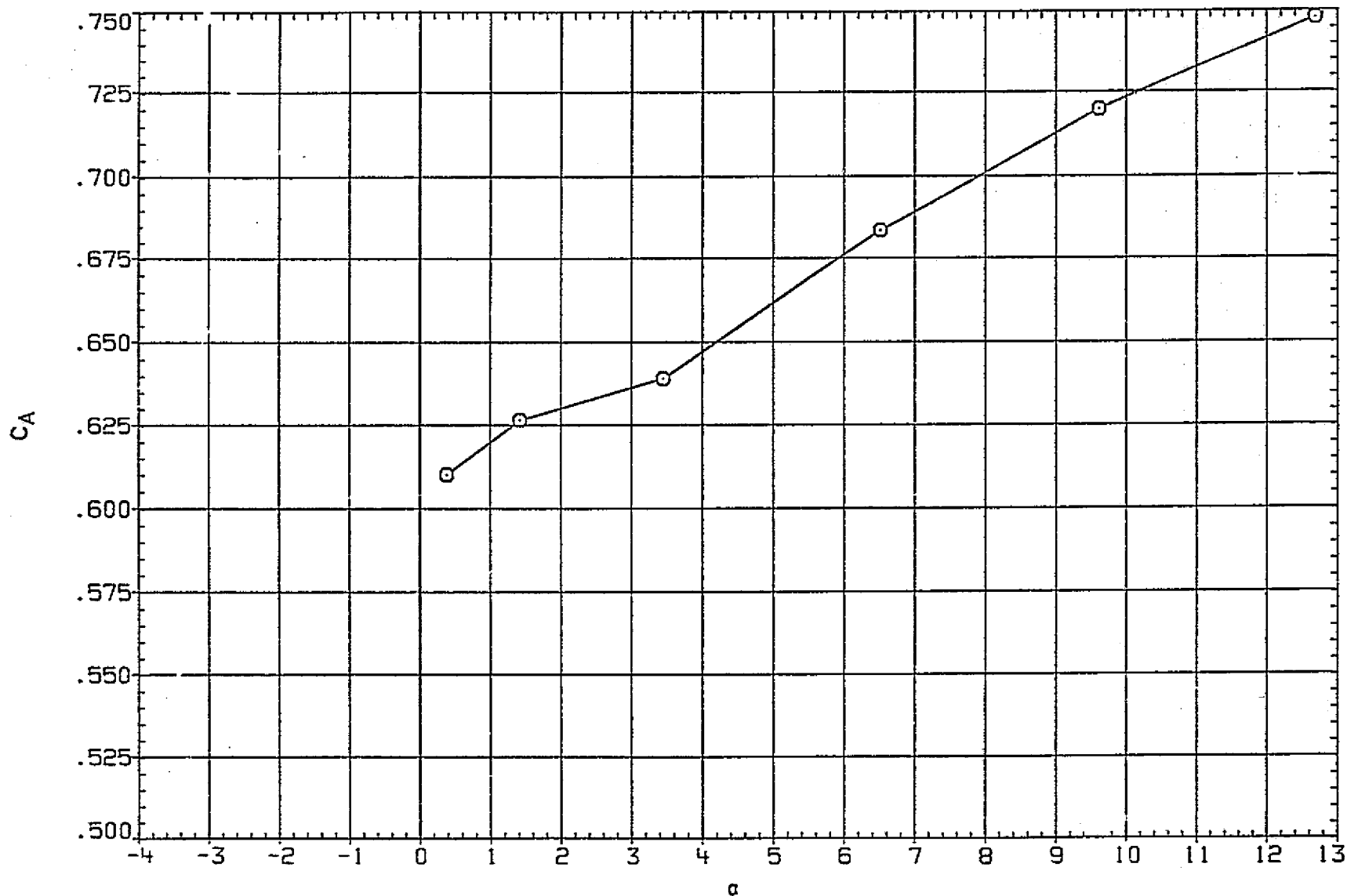


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(TEZ238) CONFIGURATION 13 (BN1C4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CA | MACH | 1.996 | BETA | .000 |
| | | D1 | 15.000 | D3 | 15.000 |
| | | D2 | 15.000 | D4 | 15.000 |
| | | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

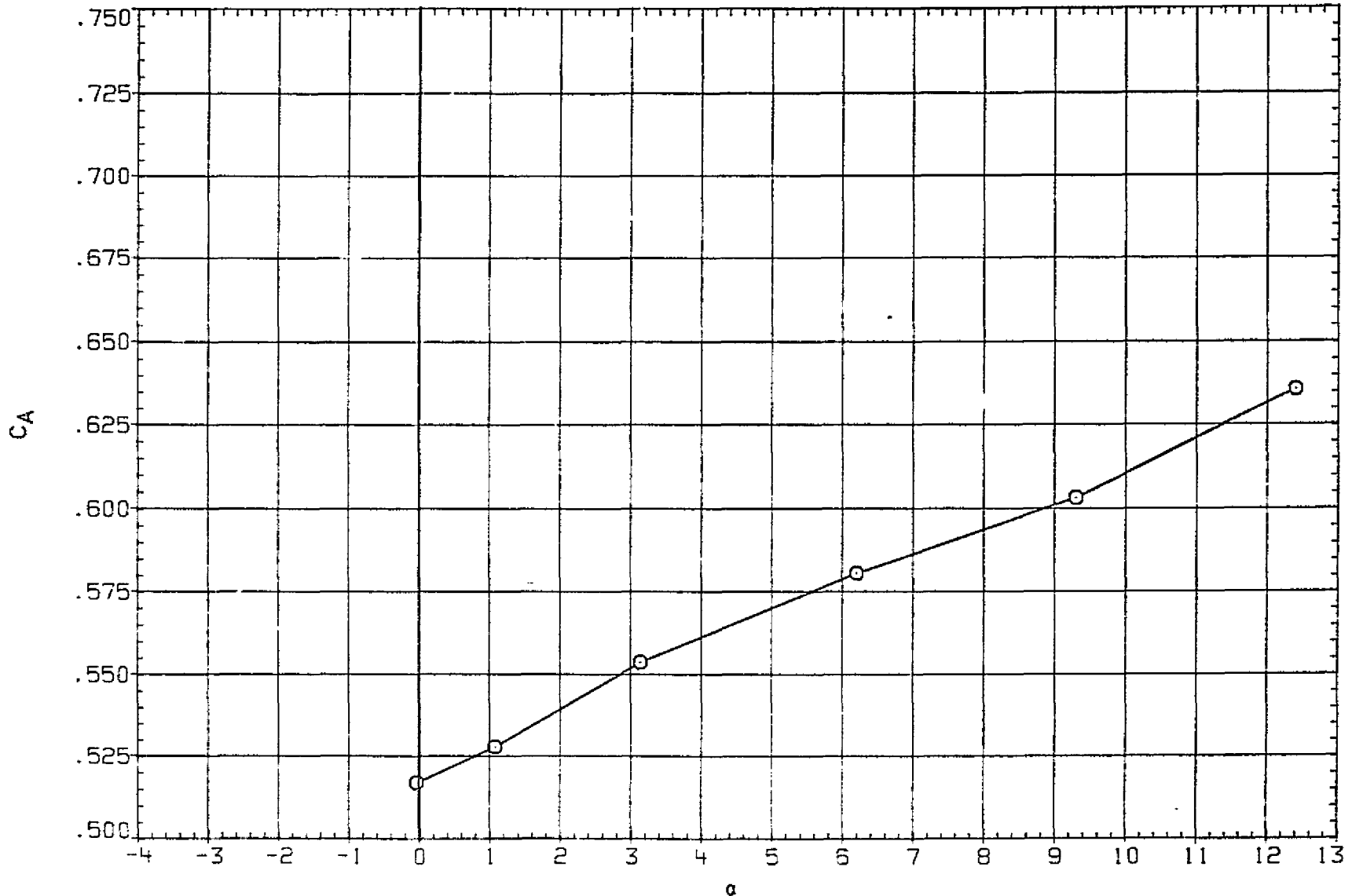


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE238) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CY | MACH | 1.502 | BETA | .000 |
| □ | CYC | D1 | 15.000 | D3 | 15.000 |
| ◇ | CYT | D2 | 15.000 | D4 | 15.000 |
| △ | CYB | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

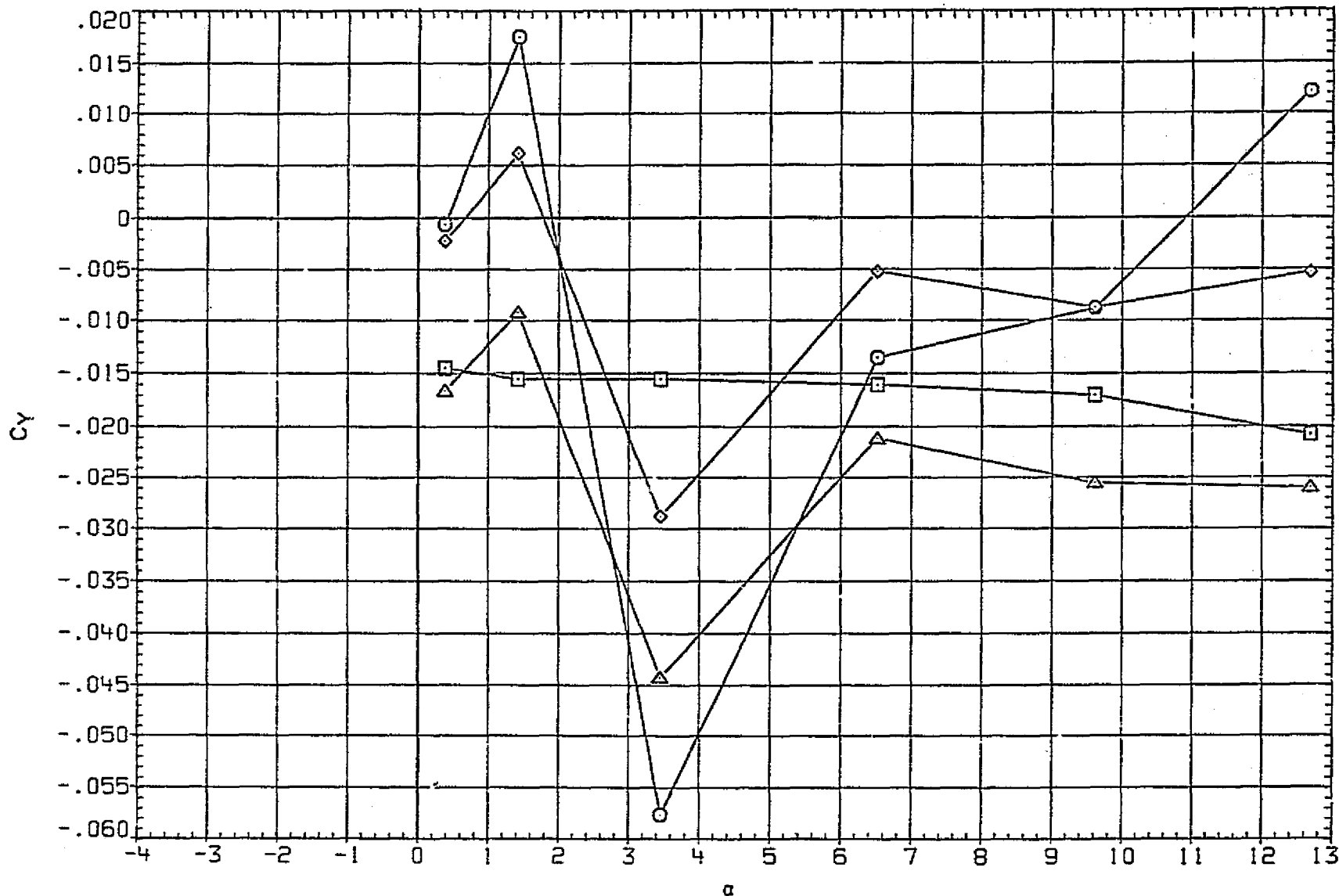


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2238) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CY | MACH | 1.996 | BETA | .000 |
| □ | CYC | D1 | 15.000 | D3 | 15.000 |
| ◇ | CYT | D2 | 15.000 | D4 | 15.000 |
| △ | CYB | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

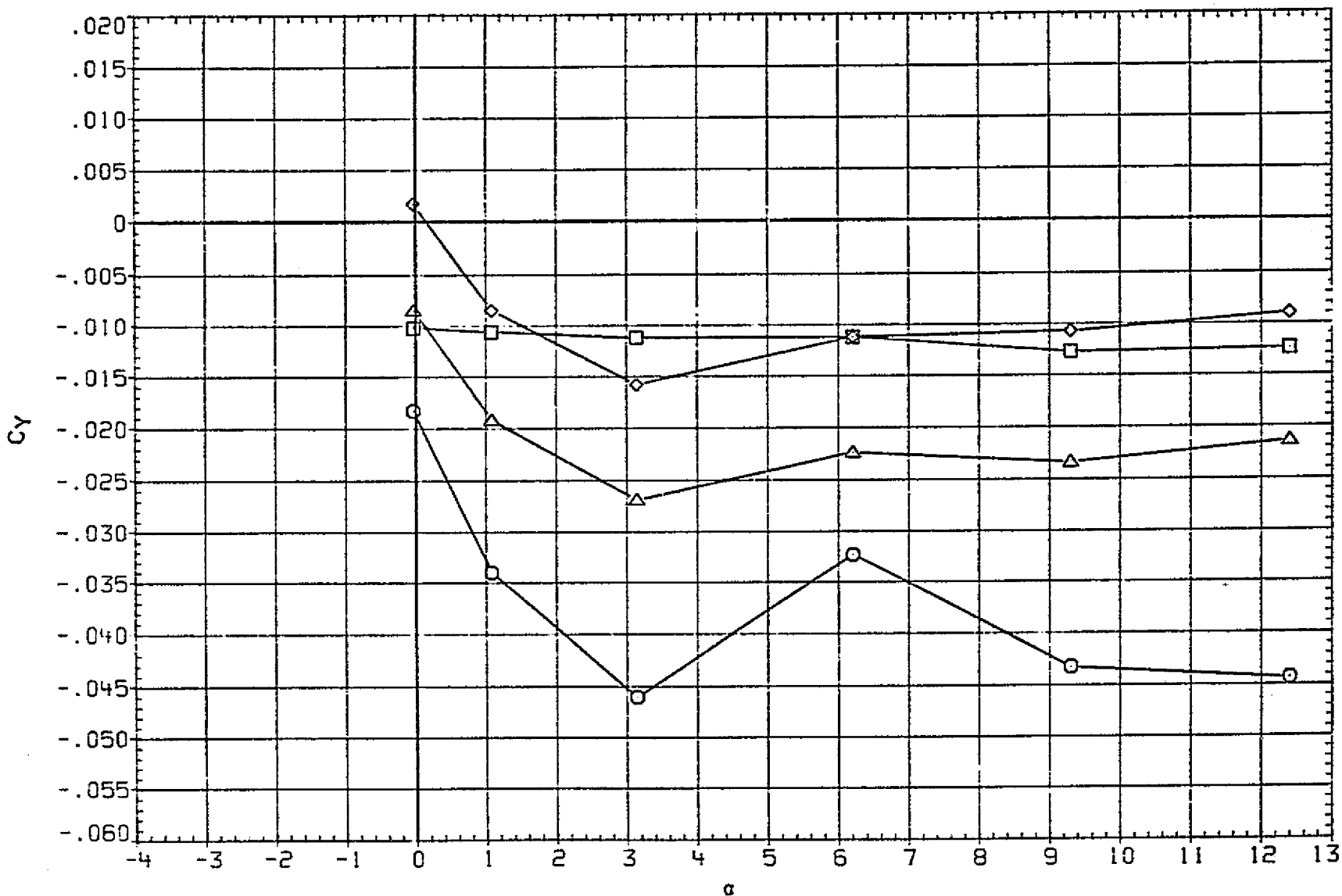


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2238) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ○ | CYM | MACH | 1.502 | BETA | .000 |
| ◇ | CYMC | D1 | 15.000 | D3 | 15.000 |
| △ | CYMT | D2 | 15.000 | D4 | 15.000 |
| | CYMB | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

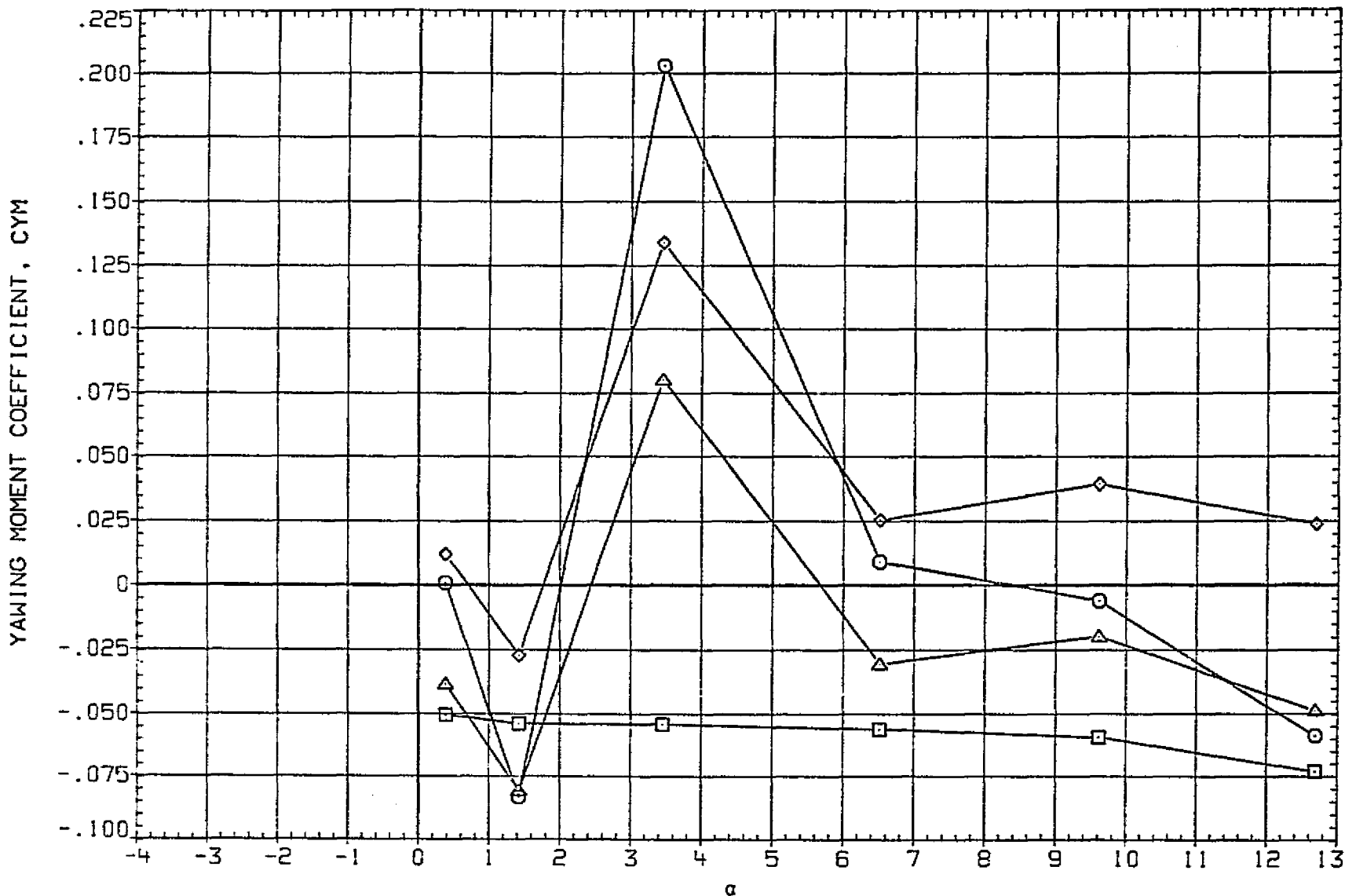


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(QE2238) CONFIGURATION 13 (BN14T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------|-------------------|--------|-------|--------|
| ▷ODO | CYM | MACH | 1.996 | BETA | .000 |
| | CYM | D1 | 15.000 | D3 | 15.000 |
| | CYMT | D2 | 15.000 | D4 | 15.000 |
| | CYMB | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

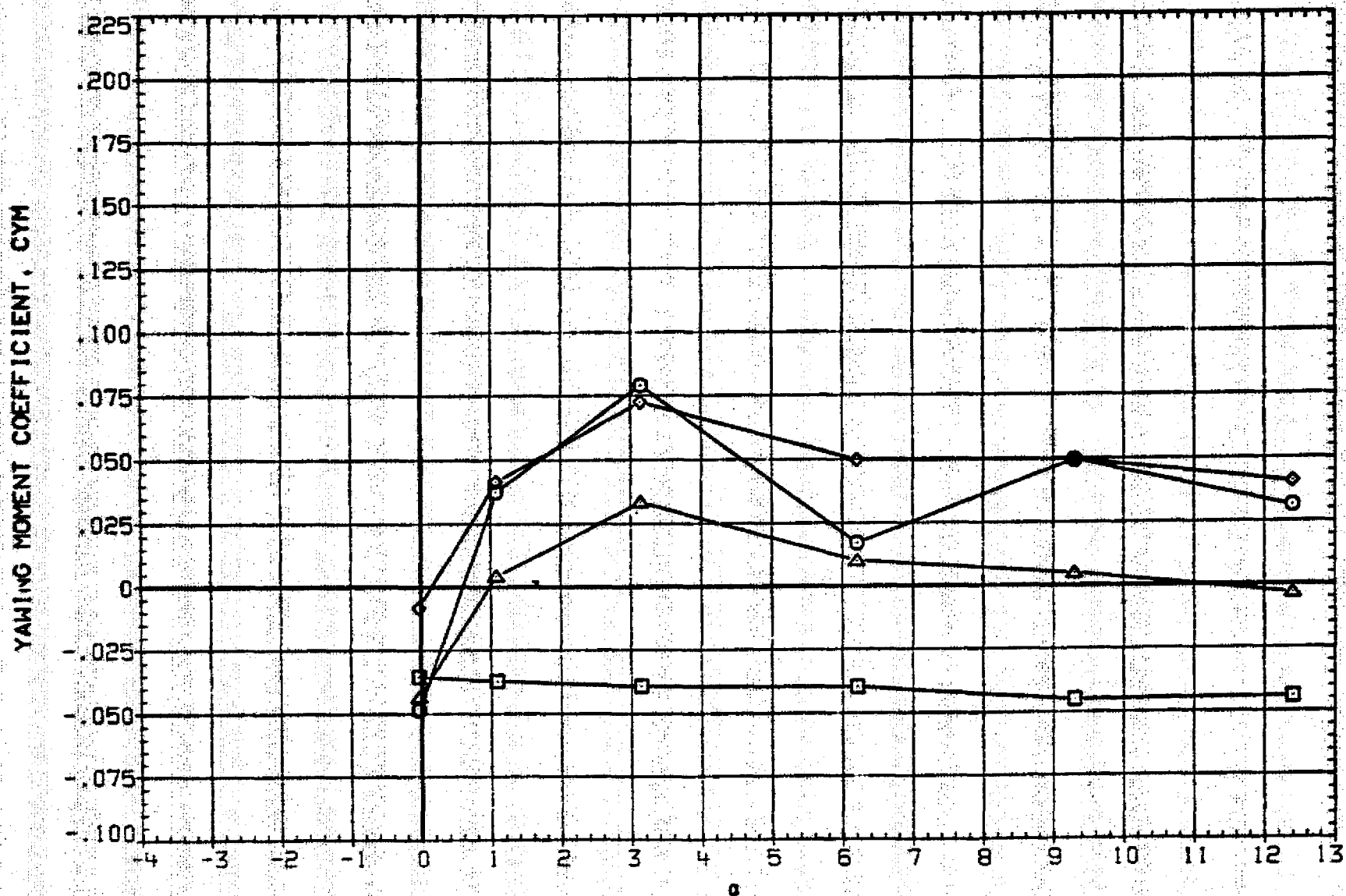


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(SEZ238) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|-------|-------------------|--------|-------|--------|
| ○ | CRM | MACH | 1.502 | BETA | .000 |
| □ | CRM C | D1 | 15.000 | D3 | 15.000 |
| △ | CRM T | D2 | 15.000 | D4 | 15.000 |
| | CRM B | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

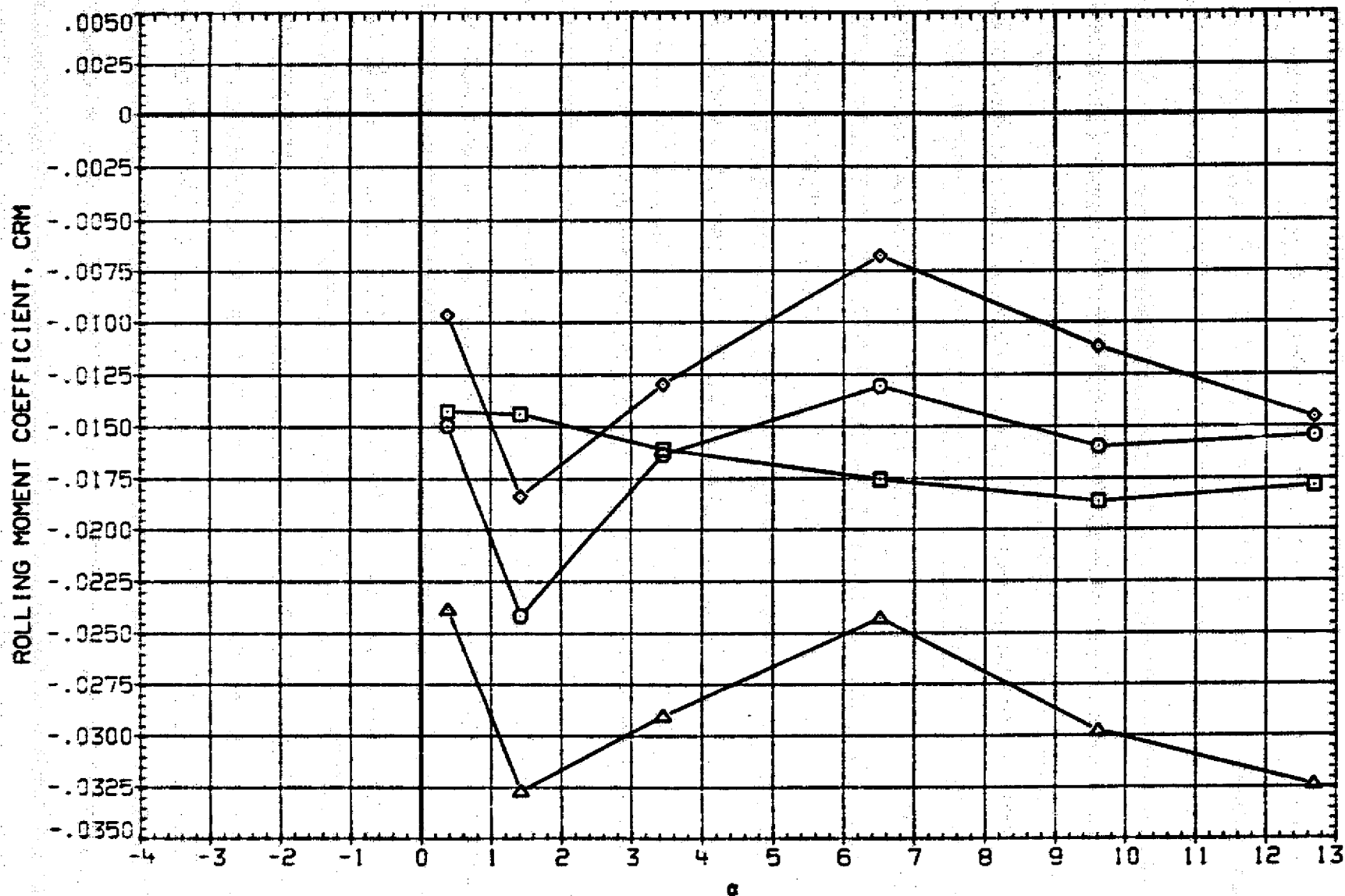


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(SEZ238) CONFIGURATION 13 (BNIC4T1)

| SYMBOL | DATA | PARAMETRIC VALUES | | | |
|--------|------------------|-------------------|--------|-------|--------|
| ◇ | CRM | MACH | 1.036 | BETA | .000 |
| ○ | CRM _C | D1 | 15.000 | D3 | 15.000 |
| △ | CRM _T | D2 | 15.000 | D4 | 15.000 |
| □ | CRM _B | D1-3 | 15.000 | D2-4 | 15.000 |
| | | PHI-C | 45.000 | PHI-T | .000 |

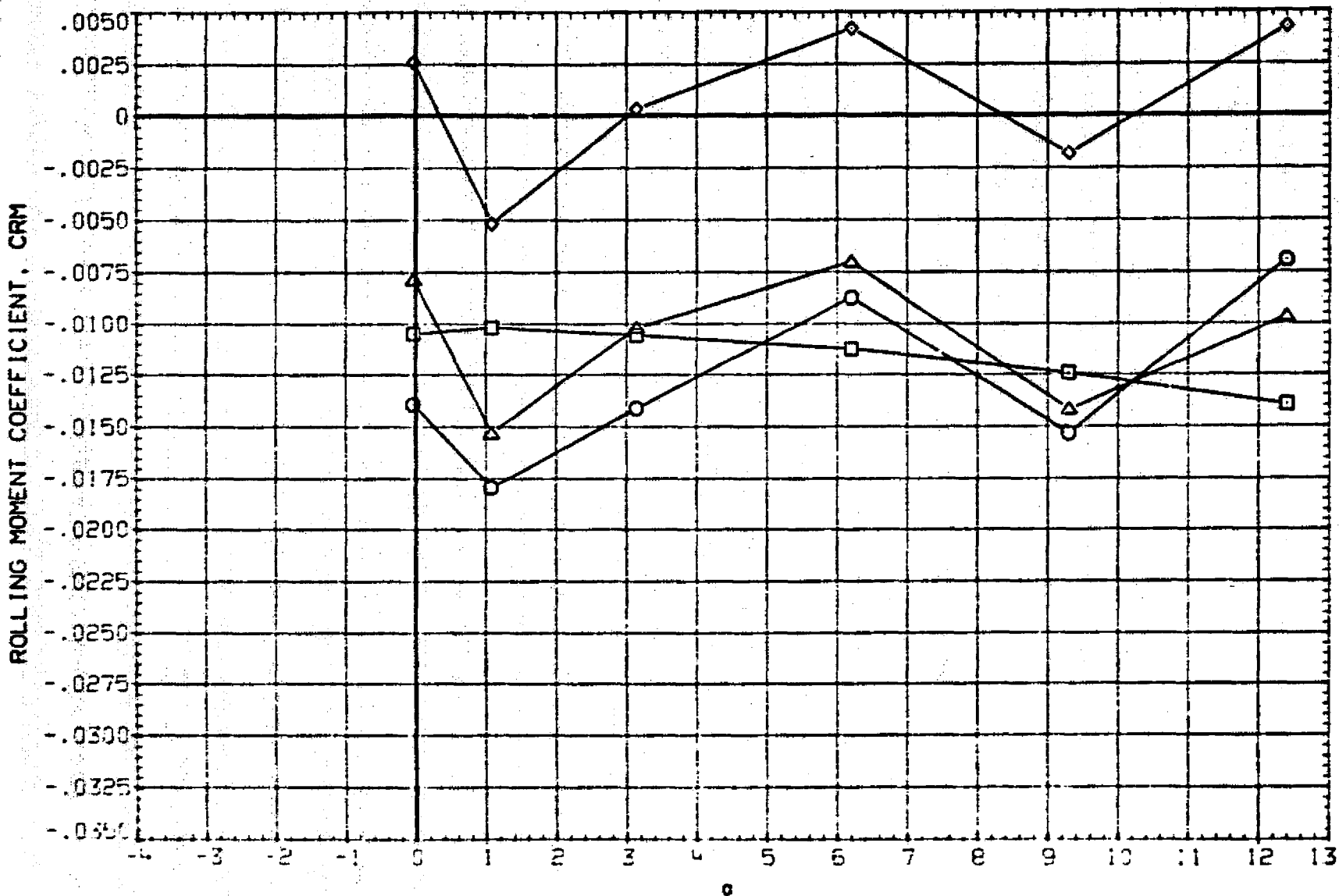


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS