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**Extension to the Panel Code NALSOF0509 to Include Design
of Wing-Body Configurations for Minimum Induced Drag at
Given Lift and Pitching Moment**

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15. Abstract

The code NALSOF0509, available in the SOFFTS Library of NAL has been extended to include a design of wing-body combinations to minimize induced drag for specified lift and pitching moments at sub- or super-sonic flow conditions. Method of Lagrangean multiplier is used to obtain the optimum camber and twist distributions for the wing in the presence of a body.

SOFFTS Library of NAL has now been updated with this version of the code.