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Title : Dynamic Wind Tunnel Testing
of a Flexible Delta Wing

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Keywords : Aeroservoelasticity, Flexible Delta Wing, Dynamic Wind Tunnel Testing, Time Domain Identification, Sine Sweep Tests, Acceleration Transfer Function

Abstract : Dynamic wind tunnel testing of a flexible delta wing model was carried out to generate experimental data to be used by; the Aero-servo-elastic analysis group of ADA. This report details model construction, instrumentation, and wind tunnel testing as well as the analysis carried out to obtain transfer functions from wind tunnel test data.