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 : Buffet Response : Model Design and Fabrication

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: 13. Abstract

: A 1:20 Scale aeroelastic model of ASLV is designed for  
 : studying its transonic buffet response. The model  
 : simulates full-scale dynamic characteristics and flight  
 : parameters at Mach one condition and is designed for  
 : testing in the NAL 1.2m Trisonic Wind Tunnel. The model  
 : support system is designed to provide freedom of motion  
 : in the first three free-free flexural modes. This report  
 : describes the design and fabrication aspects of ASLV  
 : models and also presents details of its static and free-  
 : vibration analysis.

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