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estimates of the aerodynamic damping showed that aerodynamic Dima, C., and Ravindra, K., Reduction of Vertical Tail Buffet Response Using Active

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Control of a nonlinear dynamic structural model of

response caused by buffet loads. Several ight conditions that differ in severity were tested. The aeroservoelastic aerodynamic damping factor

Some aspects of aircraft dynamic loads due to flow

Variations in structural damping due to response amplitude or wing lift are undesirable (both the buffet excitation and the aerodynamic damping would have to

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which deals with the static or steady response of an elastic body to a and the negative damping of the aerodynamic force. The methods for buffet detection

Experimental research on an active sting damper in

This paper details the development and experimental evaluation of an active damping system using response under exciter stimulation aerodynamic damping of the

Patent us5549260 - active control device for

By active feedback control using a buffet response signal for aircraft tail buffet 11 so as to produce an aerodynamic damping force on

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to generate aerodynamic damping that reduces buffet-induced oscillations. Results of the Actively Controlled Response of Buffet-Affected Tails (ACROBAT)," NASA

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Effectiveness of flow control for alleviation of

Effectiveness of Flow Control for Alleviation of Twin-Tail Buffet. flow rate on the twin-tail buffet response are the aerodynamic damping on

Fluid dynamics of unsteady separated flow. part i

Abstract. Many aerospace vehicles, launch vehicles in particular, are designed with little consideration to aerodynamics. As a consequence, the aerodynamic

Passive control of buffet excitation

PASSIVE CONTROL OF BUFFET EXCITATION G. A. FLYNN AND 1. may be interpreted as the 'integrated' response discuss the significance of aerodynamic damping.

Predictions of f-111 tact aircraft buffet response

This report presents a method for predicting buffet response from pressure Damping is obtained for data/1807626645#Topic/aerodynamics> ;

Progress and new techniques in buffet alleviation

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