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Control of Flow Instabilities and Unsteady Flows | Request PDF

In this study, the flow instabilities downstream of inlet guide vanes are investigated by conducting experiment and performing a numerical simulation. An attempt is made to clarify the influence ...

Control of Flow Instabilities in Swirl Flow Generator

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Control of Flow Instabilities and Unsteady Flows by G.E.A

control concepts to guarantee stable operation and an outline is given of sensors, actuators and controllers applied in laboratory set-ups. The main contribution of this study is the comparison of aerodynamical flow instabilities found in axial and radial compressors, of several models, and of controllers implemented on

Modeling and control of compressor flow instabilities

To control unsteady motion phenomena in turbomachines, it has been proposed to employ an active control system to modify the flow conditions. In the present invention, the modification is effected by devices mounted in a bullet or nose bullet at the entry to a rotor of the turbomachine.

US5230603A - Control of flow instabilities in

Dipartimento di Ingegneria Aerospaziale Politecnico di Milano Receptivity and Control of Flow Instabilities in a Boundary Layer Simone ZUCCHER Tesi di Dottorato di Ricerca in Ingegneria Aerospaziale - XIV Ciclo

Receptivity and Control of Flow Instabilities in a

Control of the Convective Flow Instabilities 3 confirmed, partially the destabilization of the Czochralski convective flow by a slow

Control of the Convective Flow Instabilities in a

This book contains the outcome of the international meeting on instability, control and noise generated by massive flow separation that was organized at the Monash Center, in Prato, Italy, September 4-6, 2013.

Instability and Control of Massively Separated Flows

Original Article Flow control via instabilities, vortices and steady structures under the action of external microwave energy release Olga Azarova¹, Doyle Knight² and Yuri Kolesnichenko³

Flow control via instabilities, vortices and steady

Unstable flow structure generated from the collision of two impinging jets. ... (also known as modulational instability) Plasma instabilities ... and decreased postural control are more susceptible to injury than those with better postural control. Instability leads to an increase in postural sway, the measurement of the time and distance a subject spends away from an ideal center of pressure ...

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