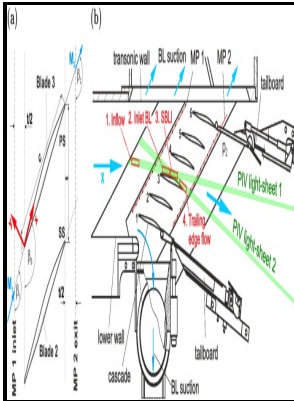


Losses in a jet-flap compressor cascade

Cornell University, Graduate School of Aeronautical Engineering - A Theoretical Investigation of the Jet



Description: -
 -Losses in a jet-flap compressor cascade
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 Notes: Bibliographical references: p.63.
 This edition was published in 1959



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Tags: #Secondary #flow #and #losses #in #a #compressor #cascade

Two

Journal of Fluids Engineering, 2015, 137 5 : 051101. The effect of negative incidence at a high inlet Mach number can be demonstrated using an analysis similar to that presented previously to find when a compressor cascade will choke.

The Jet

The results show that the EJF could reduce the corner separation and losses significantly by inputting transverse momentum component, inducing a concentrated jet vortex to block the pitch-wise migration of the passage vortex as well as enhancing the energy exchange between the endwall boundary layer and the mainstream.

Improving Aerodynamic Performance of a Highly Loaded Compressor Based on Coanda Jet Flap

Secondary flow control using endwall jet fence in a high-speed compressor cascade.

Secondary flow control using endwall jet fence in a high

To conclude this section, Figure 3. Wang, Aerodynamic design and analysis of a low-reaction axial compressor stage, Chinese Journal of Aeronautics, 21 1 2008 1—7.

Diffusion factor for estimating losses and limiting blade loadings in axial

Himeno, Effect of endwall contouring on flow instability of transonic compressor, Int.

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