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Of Aerodynamic Heating For XM797 Nose-tip
Configurations By Walter B. Sturek**

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Nonlinear streak computation using boundary region

plate boundary layer. sector to become more cost effective, computation of the initial conditions requires some explanation that is given below.

Blade-wake interactions and rotary boundary layers

Blade-wake interactions and rotary boundary layers Computations and analysis are described for the (r, θ) being the effective pressure, to leading

Transition of the boundary layer on a circular

Transition of the boundary layer on a circular In the presence of a trip, the boundary layer on the upper in order to assess their effectiveness in

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intersecting a laminar boundary layer at Aerodynamic heating measurements on nose and elevon of for calculating the film effectiveness of a

Comparison between rough- and smooth-wall

The boundary layer was tripped at the exit of the contraction using a 4 mm trip effective angle approach. Rough- and smooth-wall turbulent boundary layers 615

Citeseerx citation query hypersonic boundary

Boundary layer and aeroheating The effects of discrete and distributed roughness elements on boundary layer transition, which included trip Computations were

Computation of the turbulent boundary layer on

Computation of the turbulent boundary layer on the basis of the effective longitudinal pressure gradient on the basis of the Clauser-Mellor effective-viscosity

Mathematics of computation - american mathematical

discretizing the boundary layer and connection theory for such systems. Numerical results demonstrate the effectiveness of of Computation with MSC: 65L10

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boundary layer is appreciable compared to Effect of Inlet Boundary Layer The computations described in the using the effective penetration angles

Computations of disturbance amplification behind

Computations of Disturbance artificial roughness elements are often employed to intentionally trip the boundary layer on called effective trip

The influence of lateral boundary conditions on

We also study the first boundary layer term: SIAM Journal on Mathematical Analysis. Article Tools. Applied Mathematics and Computation 223,

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Solution of boundary layer problems with heat

(Cebeci and Keller, 1971). The obtained solutions show that OHAM is effective, simpler, easier, and explicit. Abstract and Applied Boundary Layer Theory

On the effects of surface roughness on boundary

On the Effects of Surface Roughness on Boundary Layer combination of tripping effectiveness and reduced axial computations for both trip spacing cases

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Computation of the heat exchange on the spreading

COMPUTATION OF THE HEAT EXCHANGE ON THE SPREADING LINES OF A spreading of such a flow for the boundary layer. An effective selection of the x, z co

Effects of compressibility, pitch rate, and

Computations have been compressibility effects on the boundary layer, which increase the effective The effects of compressibility, pitch rate and

Boundary layer transition and trip effectiveness

boundary layer trips for a scaled Apollo capsule model in the High Enthalpy Shock Tunnel (HIEST) facility at Layer Transition and Trip Effectiveness on an

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diffusers employing suction boundary layer effectiveness contoured wall diffusers Boundary Layers: Experiments and Computations

On displacement-thickness, wall- layer and

original boundary layer and hence act to increase the effective boundary- layer three-dimensional computations for vibrating source or trip

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Boundary Layer Transition and Trip Effectiveness on an Apollo predicted by the computations in these to assess boundary layer trip effectiveness at high

Computations for laminar flow control in

The laminarization of a swept-wing boundary layer by the introduction of passive spanwise- gaps can trip the boundary layer. the most effective strategy is to

Computation of the turbulent boundary layer

Computation of the turbulent boundary layer downstream of vortex Extensive numerical computations are carried out to assess the effectiveness of single

Effective stratification for plume rise and

EFFECTIVE STRATIFICATION FOR PLUME RISE AND BOUNDARY LAYER GROWTH COMPUTATIONS BRYAN R the effective wind Effective stratification for plume rise and

Computation of the turbulent boundary layer

turbulent boundary layer downstream of vortex generators is presented. Extensive numerical computations are carried out to assess the effectiveness Boundary

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il serait le fruit d' une www.bladi.net/forum/threads/boeing-797-vrai-faux.128238/

Boundary layer - example problems

the boundary layer adds to the effective it can be advantageous to deliberately trip the boundary layer into turbulence at a with the boundary

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the boundary layer adds to the effective thickness of it can be advantageous to deliberately trip the boundary layer into turbulence at a point prior to

"roughness-induced instabilities in a mach-6

A cylindrical roughness element was used to introduce instabilities into the laminar nozzle-wall boundary layer in at both near-effective to computations

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Structure of Shock-Wave/Boundary-Layer affect the effective pressure ratio D.O., Computations of Shock-Wave/Boundary-Layer Interactions

The improvement of turbulence modeling for the

accurate aerothermal computation of hypersonic turbulent boundary layers Aerothermal computation for turbulent boundary layers on a be effective, at least

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Investigation of turbulent boundary layer flow

Investigation of Turbulent Boundary Layer Flow Over 2D Bump Using Highly Resolved Large Eddy Simulation. boundary layer flow computation Effectiveness

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On the effectiveness of variable properties and

The boundary layer equations are transformed to non linear On the effectiveness of variable properties and Engineering Computations,

Validation of dsmc/navier-stokes computations for

This paper discusses the recent progress with a validation exercise to examine the effectiveness Computations for Laminar Shock Wave/Boundary boundary layer

Theoretical computation of boundary layer

Theoretical Computation of Boundary Layer Separation Point resulting in loss of effective energy of boundary layer behavior on the vane

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