

Download eBook

COMPRESSIBILITY CONSIDERATIONS FOR KAPPA-OMEGA TURBULENCE MODELS IN HYPERSONIC BOUNDARY LAYER APPLICATIONS



Compressibility Considerations for Kappa-Omega Turbulence Models in Hypersonic Boundary Layer Applications

NASA Technical Reports Server (NTRS), C. L. Rumsey

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.The ability of kappa-omega models to predict compressible turbulent skin friction in hypersonic boundary layers is investigated. Although uncorrected two-equation models can agree well with correlations for hot-wall cases, they tend to perform progressively worse - particularly for cold walls - as the Mach number is increased in the hypersonic regime. Simple algebraic models such as Baldwin-Lomax perform...

Download PDF Compressibility Considerations for Kappa-Omega Turbulence Models in Hypersonic Boundary Layer Applications

- Authored by C L Rumsey
- Released at 2013



Filesize: 2.94 MB

Reviews

A really amazing pdf with perfect and lucid reasons. It is rally fascinating through reading through time period. Your daily life period is going to be enhance when you complete looking at this ebook.

-- Prof. Reina Schaefer DDS

The publication is easy in read through safer to comprehend. It is actually loaded with wisdom and knowledge Its been printed in an extremely simple way and is particularly simply right after i finished reading through this pdf where actually modified me, affect the way i believe.

-- Ms. Clementina Cole V

This is the very best publication i have got read until now. It is definitely simplified but shocks within the fifty percent of the pdf. You may like how the article writer create this pdf.

-- Rosario Durgan