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## COMPUTATIONAL STUDY OF SEPARATING FLOW IN A PLANAR SUBSONIC DIFFUSER



Computational Study of  
Separating Flow in a Planar  
Subsonic Diffuser

NASA Technical Reports Server  
(NTRS), et al., Teryn DalBello

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 32 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. A computational study of the separated flow through a 2-D asymmetric subsonic diffuser has been performed. The Wind Computational Fluid Dynamics code is used to predict the separation and reattachment behavior for an incompressible diffuser flow. The diffuser inlet flow is a two-dimensional, turbulent, and fully-developed channel flow with a Reynolds number of 20,000 based on the centerline velocity and...

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