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A THREE-DIMENSIONAL UNSTEADY CFD MODEL OF COMPRESSOR STABILITY (PAPERBACK)



A Three-Dimensional
Unsteady CFD Model of
Compressor Stability

NASA Technical Reports Server
(NTRS), Rodrick V. Chima

Bibliogov, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.A three-dimensional unsteady CFD code called CSTALL has been developed and used to investigate compressor stability. The code solved the Euler equations through the entire annulus and all blade rows. Blade row turning, losses, and deviation were modeled using body force terms which required input data at stations between blade rows. The input data was calculated using a separate Navier-Stokes turbomachinery analysis code...

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- Authored by Rodrick V Chima
- Released at 2013



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