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# NOZZLE AERODYNAMIC STABILITY DURING A THROAT SHIFT



Nozzle Aerodynamic Stability  
During a Throat Shift

NASA Technical Reports Server (NTRS).  
Edwin J. Kawecki, Gregg L. Ribeiro

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English. Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.An experimental investigation was conducted on the internal aerodynamic stability of a family of two-dimensional (2-D) High Speed Civil Transport (HSCT) nozzle concepts. These nozzles function during takeoff as mixer-ejectors to meet acoustic requirements, and then convert to conventional high-performance convergent-divergent (CD) nozzles at cruise. The transition between takeoff mode and cruise mode results in the aerodynamic throat..

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- Authored by Edwin J Kawecki, Gregg L Ribeiro
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