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# ANALYTIC MODELING OF THE HYDRODYNAMIC, THERMAL, AND STRUCTURAL BEHAVIOR OF FOIL THRUST BEARINGS



Analytic Modeling of the  
Hydrodynamic, Thermal, and  
Structural Behavior of Foil Thrust  
Bearings

NASA Technical Reports Server  
(NTRS), et al., Robert J. Bruckner

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A simulation and modeling effort is conducted on gas foil thrust bearings. A foil bearing is a self acting hydrodynamic device capable of separating stationary and rotating components of rotating machinery by a film of air or other gaseous lubricant. Although simple in appearance these bearings have proven to be complicated devices in analysis. They are sensitive to...

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