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Dara Childs is the author of Turbomachinery Rotordynamics: Phenomena, Modeling, and Analysis, published by Wiley.

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Imparts the theory and analysis regarding the dynamics of rotating machinery in order to design such rotating devices as turbines, jet engines, pumps and power-transmission shafts. Takes into account the forces acting upon machine structures, bearings and related components. Provides numerical techniques for analyzing and understanding rotor systems with examples of actual designs. Features an ...

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Turbopump Rotor Dynamics. 16.512, Rocket Propulsion Prof. Manuel Martinez-Sanchez. Lecture 29: Rotordynamics Problems. 1. Turbopump Rotor Dynamics. Because of high power density and low damping in rocket turbopumps, these machines exhibit in their most extreme form a variety of vibration effects, which are either absent or masked by normal damping mechanisms in other turbo machines.

Lecture 29: Rotordynamics Problems 1. Turbopump Rotor Dynamics

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Rotordynamics - Wikipedia

Li, Z., Fang, Z., and Li, J. (August 31, 2020). "A Comparison of Static and Rotordynamic Characteristics for Two Types of Liquid Annular Seals With Parallely Grooved Stator/Rotor."

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