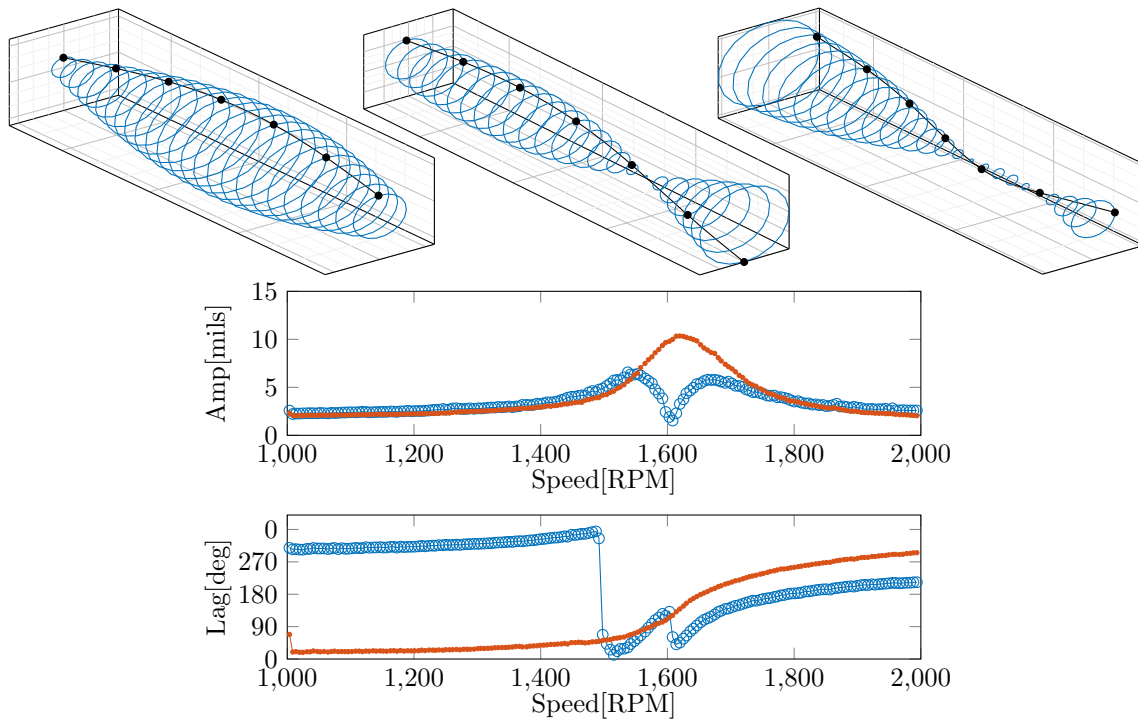


# Experimental and Theoretical Evaluation of Rotordynamic Systems

Time and frequency domain analysis of experimental data from rotordynamic systems. Development of the finite element method for use in rotordynamics with a rotating Timoshenko beam element including viscous and hysteretic internal damping. Analysis techniques for the multiple degree of freedom system specific for rotordynamics. Synthesis of experimental and theoretical techniques in the application of an Active Magnetic Bearing on an overhung rotor.



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Mechanical Engineering  
California Polytechnic State University, San Luis Obispo

**Wednesday, April 4th, at 8:30 A.M. Building 192, Room 133**