



# Modal Analysis Topics, Volume 3. Vol.3

By Proulx, Tom

Condition: New. Publisher/Verlag: Springer, Berlin | Proceedings of the 29th IMAC, A Conference on Structural Dynamics, 2011 | Modal Analysis Topics Volume 3. Proceedings of the 29th IMAC, A Conference and Exposition on Structural Dynamics, 2011, the third volume of six from the Conference, brings together over 30 contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Structural Dynamics. | Selecting Appropriate Analytical Mode Basis for SEREP-expansion of Experimental Modes.- Tutorial Guideline VDI 3830: Damping of Materials and Members.- Optimal Second Order Reduction Basis Selection for Nonlinear Transient Analysis.- Operating Vibration Measurements of Test Fuel Assembly in Reactor Thermo-hydraulic Test Condition.- Output-only Modal Analysis Using Continuous-scan Laser DopplerVibrometry and Application to a 20kW Wind Turbine.- Coupling a Compliant Structure With a Hand- arm System Using FBS.- A Comparison of Accelerometer Selection Methods for Modal Pretest Analysis.- Modal Impact Testing of Ground Vehicle Enabling Mechanical Condition Assessment.- Identifying Parameters of Nonlinear Structural Dynamic Systems Using Linear Time-periodic Approximations.- B-spline Laminate Shell Finite Element Updating by Means of FRF Measurements.- Measurement of 2D Dynamic Stress Distributions With a 3D-Scanning Laser Doppler Vibrometer.- A Particle Damper for Transient Oscillations.-...



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