Linking Models And Experiments, Volume 2

DOWNLOAD HERE

Modal Testing and FE-model Validation of Azimuthing Thruster.- POD Based Computation of Joint Interface Modes.- Area Wise Application of Contact Constraints in Reduced Mechanical Systems.- On the Extension of Global Vibration Modes With Ritz-vectors Needed for Local Effects.- Direct Decoupling of Substructures Using Primal and Dual Formulation.- Spectral Analysis of Vibrating Plates With General Shape.- Smoothing Experimental Data in Dynamic Substructuring of Built up Systems.- Metrics for Diagnosing Negative Mass and Stiffness When Uncoupling Experimental and Analytical Substructures.-Propagation of Free-interface Substructure Uncertainty into System Test-analysis Correlation.- Feature Extraction for Structural Dynamics Model Validation.- Hybrid Sets of Merged Data for Modal Model Applications.- Dynamic Uncoupling of a System Model for Component Identification.- Full Field Dynamic Stress/Strain From Limited Sets of Measured Data.- Limited Experimental Displacement Data Used for obtaining Full-field Dynamic Stress Strain Information.- A Survey of Techniques to Estimate the Uncertainty in Material Parameters.- Construction of DEM-base Traffic Model Using Optimal Velocity Model.- Confidence Intervals of Modal Parameters During Progressive Damage Test.- Identification of Material Properties of Composite Plates Utilizing Model Updating and Response Surface Techniques.-Globally Enriched Substructuring Techniques for Vibro-acoustic Simulation.- A Modal-geometrical Selection Criterion for Master Nodes: Numerical and Experimental Testing.- Robust Optimization and Quality Control in Spot Welded Structures.- Interface Reduction in the Dual Craig-Bampton Method Based on Dual Interface Modes.- A Truly Hybrid Approach to Substructuring Problems Using Mixed Assembly and Implicit Solving Strategies.- Model Updating Methodologies for Multibody Simulation Models: Application to a Full-scale Wind Turbine Model.- DOF Reduction Strategy for Large Order Finite Element Models.- Understanding Large Order Finite Element Model Dynamic Characteristics.- FEM Sensitivity Method for Uncertainty and Reconciliation Analyses.- Uncoupling Techniques for the Dynamic Characterization of Sub-structures.- Receptance Based Normalization of Operational Mode Shapes.-Fault Simulation in a Gearbox Using Finite Element Model Reduction Techniques.- Response Measurements of DMS Cabinets and Supporting Truss Structures Under Environmental and Transient

Wind Loads.- Variance Decomposition in the Presence of Epistemic and Aleatory Uncertainty.- A Forecasting Metric for Predictive Modeling EAN/ISBN: 9781441993052 Publisher(s): Springer, Berlin, The Society for Experimental Mechanics, Inc. Format: ePub/PDF Author(s): Proulx, Tom

DOWNLOAD HERE

Similar manuals: