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Nota di contenuto	1 Verification of Experimental Component Mode Synthesis in the Sierra Analysis Framework -- 2 Multi-DoF Interface Synchronization of Real-Time-Hybrid-Tests Using a Recursive-Least-Squares Adaption Law:A Numerical Evaluation -- 3 Controls Based Hybrid Sub-structuring Approach to Transfer Path Analysis -- 4 Force Identification Based on Subspace Identification Algorithms and Homotopy Method -- 5 Response DOF Selection for Mapping Experimental Normal Modes-2016 Update -- 6 Experimental Modal Substructuring with Nonlinear Modal Iwan Models to Capture Nonlinear Subcomponent Damping -- 7 A Modal Model to Simulate Typical Structural Dynamic Nonlinearity -- 8

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## Sommario/riassunto

Dynamics of Coupled Structures, Volume 4. Proceedings of the 34th IMAC, A Conference and Exposition on Dynamics of Multiphysical Systems: From Active Materials to Vibroacoustics, 2016, the fourth volume of ten from the Conference brings together 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, including papers on: • Experimental Dynamic Substructuring • Structural Coupling of Nonlinear Structures • Analytical/Numerical Modeling of Joints • Industrial Applications of Substructuring • Source Identification & Transfer Path Analysis • Human Induced Vibrations • Damping & Friction.

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