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2.8.1 Method of Lopez Garcia; 2.8.2 Method of Trombetti and Silvestri; 2.9 Summary; Appendix 2.A; References
3 Optimality Criteria-based Design: Multiple Criteria in Terms of Seismic Responses3.1 Introduction; 3.2 Illustrative Example; 3.3 General Problem; 3.4 Optimality Criteria; 3.5 Solution Algorithm; 3.6 Numerical Examples; 3.6.1 Multicriteria Plot; 3.7 Summary; References; 4 Optimal Sensitivity-based Design of Dampers in Moment-resisting Frames; 4.1 Introduction; 4.2 Viscous-type Modeling of Damper Systems; 4.3 Problem of Optimal Damper Placement and Optimality Criteria (Viscous-type Modeling); 4.3.1 Optimality Criteria; 4.4 Solution Algorithm (Viscous-type Modeling)
4.5 Numerical Examples I (Viscous-type Modeling)4.6 Maxwell-type Modeling of Damper Systems; 4.6.1 Modeling of a Main Frame; 4.6.2 Modeling of a Damper-Support-member System; 4.6.3 Effects of Support-Member Stiffnesses on Performance of Dampers; 4.7 Problem of Optimal Damper Placement and Optimality Criteria (Maxwell-type Modeling); 4.7.1 Optimality Criteria; 4.8 Solution Algorithm (Maxwell-type Modeling); 4.9 Numerical Examples II (Maxwell-type Modeling); 4.10 Nonmonotonic Sensitivity Case; 4.11 Summary; Appendix 4.A; References
5 Optimal Sensitivity-based Design of Dampers in Three-dimensional Buildings5.1 Introduction; 5.2 Problem of Optimal Damper Placement; 5.2.1 Modeling of Structure; 5.2.2 Mass, Stiffness, and Damping Matrices; 5.2.3 Relation of Element-end Displacements with Displacements at Center of Mass; 5.2.4 Relation of Forces at Center of Mass due to Stiffness Element K(i, j) with Element-end Forces; 5.2.5 Relation of Element-end Forces with Element-end Displacements; 5.2.6 Relation of Forces at Center of Mass due to Stiffness Element K(i, j) with Displacements at Center of Mass
5.2.7 Equations of Motion and Transfer Function Amplitude

Sommario/riassunto

The recent introduction of active and passive structural control methods has given structural designers powerful tools for performance-based design. However, structural engineers often lack the tools for the optimal selection and placement of such systems. In Building Control with Passive Dampers , Takewaki brings together most the reliable, state-of-the-art methods in practice around the world, arming readers with a real sense of how to address optimal selection and placement of passive control systems. The first book on optimal design, sizing, and location