## Effects of Viscoelastic and Viscous Links on Seismic Pounding Mitigation in Buildings

Authors : Ali Reza Mirzagoltabar Roshan, H. Ahmadi Taleshian, A. Eliasi

**Abstract :** This paper examines the effects of viscous and viscoelastic dampers as an efficient technique for seismic pounding mitigation. To aim that, 15 steel frame models with different numbers of stories and bays and also with different types of ductility were analyzed under 10 different earthquake records for assigned values of link damping and stiffness and the most suitable values of damper parameters (damping and stiffness) are presented. Moreover, it is demonstrated that viscous dampers can perform as efficiently as viscoelastic alternative with a more economical aspect for pounding mitigation purposes. **Keywords :** adjacent buildings, separation distance, seismic pounding mitigation, viscoelastic link

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