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Mdof shear frame base isolated by SMA devices (Book Chapter)

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Abstract

This paper points out the benefits that a Shape Memory Alloy (SMA) isolation introduces in the dynamical response of a structural system subject to dynamic excitation: the dynamic response capacity of the structure is decisively improved in terms of response reduction and of re-centering capacity. © 2003 Elsevier Science Ltd. All rights reserved.

Author keywords

Isolation; Mdof structure; Pseudo-elasticity; Seismic protection; SMAs; Tendons

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Analysis of dynamics of structures including S.M.A. members

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Summary

This paper points out the benefits that a Shape Memory Alloy (SMA) isolation introduces in the dynamical response of a structural system subject to dynamic excitation: the dynamic response capacity of the structure is decisively improved in terms of response reduction and of re-centering capacity.

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This chapter presents a paper that describes the benefits that shape memory alloy

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