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titre:

***non linear dynamic analysis of bridge to spatially
variable multiple support excitations***

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Résumé

this paper presents a study of the influence of specially variable ground motion on the longitudinal seismic response of multi span bridge. non linear finite element models are created for various bridges and non linear inelastic time history analysis are conducted. ground motion time histories are simulated according to the Algerian design spectra. in this study two types of excitations are considered the first utilizes the specially the variable ground motion and the second utilizes the uniform ground motion. the comparative analysis of the bridges models shows that the spatial variability ground motion has important effects on the dynamic behavior of the bridges

Mots clefs

Abstract

Source

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