

Fundamentals Of Seismic Loading On Structures

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Fundamentals of Seismic Loading on Structures is organised into four major sections: introduction to earthquakes and related engineering problems, analysis, seismic loading, and design concepts.

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Thus, $y = V \sin t + y_0 \cos t$ or $u0006 V y = (\)^2 + y_0^2$ $u00071/2 \sin (t + \)$ 140 Fundamentals of Seismic Loading on Structures with $\tan = y_0 /V$. 2.2.1 Equations of Motion with Damping $my + c y + ky = 0$ (2.7) This is a second order differential equation of standard form.

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The seismic waves were recorded at different distances from the coast. Very close to the epicenter, the first accelerogram reached a maximum value of 150 cm/s². Much farther, the second station showed a significant amplitude decrease with a maximum amplitude of 18 cm/s².

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