

Equivalent Viscous Damping for the Elasto-Plastic Hysteretic Model

Author(s): Raul Zaharia

Tomme: LI (LV) | **Fascicle:** 3-4 | 2005

Pages: 55-62

Abstract text:

The paper proposes some formulae to determine the equivalent linear parameters for spectral earthquake response of SDOF non-linear systems. The proposed formulae for the equivalent viscous damping and equivalent period are valid for the elasto-plastic hysteretic model and for earthquakes compatible with Eurocode 8 response spectra. This study is part of a research aimed to determine the equivalent linear parameters in order to predict the maximum displacement response for earthquake compatible with given response spectra, for different hysteretic models.

Key Words:

-

[View full text PDF](#) 

Author(s) Information

Raul Zaharia

Affiliation: „Politehnica” University, Timișoara.

Email: -

All documents with a  icon require Adobe Acrobat installed on your computer

Current Issue 

T. LVI (LX), Fasc. 3, 2010

[Browse](#)

[by Issues](#)

[by Authors](#)

[For Authors](#)

[Preparing Artworks](#)

[Manuscript Submission](#)

[Manuscript Template](#)

[Journals Name Abbreviation](#)

[Copyright Transfer Statement](#)

[Abstracted & Indexed](#)

The Bulletin of the Polytechnic Institute of Jassy, Construction Architecture Section is indexed and abstracted in:

Index Copernicus, ProQuest, Ebsco, DOAJ, BASE, Scientific Commons, DRIVER.

WorldWideScience.org, getCITED, ResearchGATE, Ovid LinkSolver, Genamics Journalseek, Electronic Journals Library, WorldCat, Intute.

[Ranking](#)

The journal is ranked by the National University Research Council as a B+ quality journal (CNCSIS Code 44).

Search in:



