



Methods for Practice-Oriented Linear Analysis in Seismic Design of Cross Laminated Timber Buildings

<https://research.thinkwood.com/en/permalink/catalogue2304>

Author: Christovasilis, Ioannis
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Publisher: Elsevier
ScienceDirect

Year of Publication: 2020

Format: Journal Article

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems
General Application

Topic: Seismic
Design and Systems

Keywords: Linear Dynamic Analysis
Viscous Damping
Earthquake
Full Scale
Shaking Table Test

Language: English

Research Status: Complete

Series: Soil Dynamics and Earthquake Engineering

Online Access: Free

Resource Link

<https://doi.org/10.1016/j.soildyn.2019.105869>



A Novel Method for Non-linear Design of CLT Wall Systems

<https://research.thinkwood.com/en/permalink/catalogue1196>

Author: Tamagnone, Gabriele
Rinaldin, Giovanni
Fragiacomo, Massimo

Publisher: ScienceDirect

Year of Publication: 2018

Country of Publication: Netherlands

Format: Journal Article

Material: CLT (Cross-Laminated Timber)

Application: Walls

Topic: Mechanical Properties
Connections

Keywords: Metal Connections
Failure Mechanism
Bending Moment
Axial Force
Rocking Capacity

Language: English

Research Status: Complete

Series: Engineering Structures

Online Access: Free

Resource Link

https://www.researchgate.net/profile/Gabriele_Tamagnone/publication/320229959_A_novel_method_for_non-linear_design_of_CLT_wall_systems/links/5c2f3ee492851c22a3588d9b/A-novel-method-for-non-linear-design-of-CLT-wall-systems.pdf



A Simplified Non-Linear Procedure for Seismic Design of CLT Wall Systems

<https://research.thinkwood.com/en/permalink/catalogue1685>

Author: Tamagnone, Gabriele
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Fragiaco, Massimo

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: CLT (Cross-Laminated Timber)

Application: Walls

Topic: Design and Systems
Seismic

Keywords: Axial Force
Bending Moment

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria
p. 4191-4200

Summary:

In this paper, a simplified non-linear procedure for seismic design of CLT (cross-laminated timber) wall systems is presented. The proposed method considers both axial force and bending moment applied on the wall systems as result of applied loads. Timber is modelled as an elastic-brittle material, whereas metal connections (hold-downs and...

Online Access: Free

Resource Link

<http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1649658> ↗