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複数語をひとつのかたまりとしてフレーズ検索する場合は、二重引用符“ ”で囲みます

(例)”heart attack”は「heart attack」「heart-attack」「heart attacks」などを検索

論理演算子

大文字で入力します

優先順位: NOT > AND > OR

◎AND: 2つの語句の両方を含む論文を検索

※検索を絞り込む

(例)food **AND** Poisoning

◎OR: 2つの語句の一方または両方を含む論文を検索

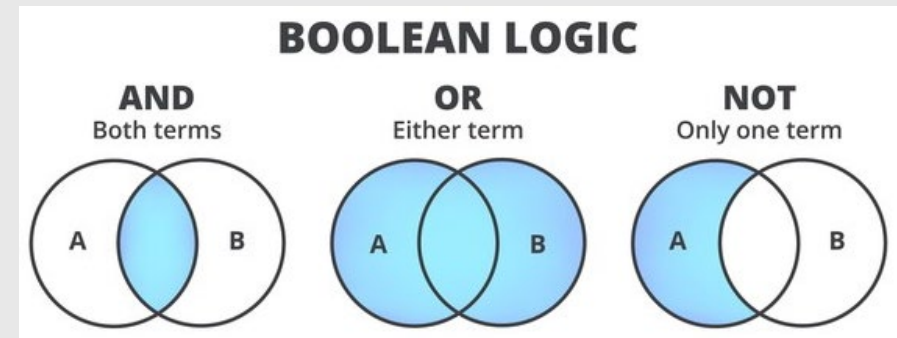
※同義語、代替語、略語などを考慮

(例)weather **OR** climate

◎NOT: 後の語句を含まないものを検索

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(例)tumor **NOT** malignant





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☐ Engineering Structures (971)

☐ Structures (606)

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Tunnelling and Underground Space Technology, August 2025

Benbo Sun, Yuanqi Shao, ... Jia Xu

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Annals of Nuclear Energy, 15 June 2024

Hong Jiang, Changhong Peng

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1 **Seismic assessment and qualification of acceleration-sensi
testing protocols and reliability-targeted safety factors**

Engineering Structures, 15 February 2024

Danilo D'Angela, Gennaro Magliulo, ... Martino Zito

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2 **Seismic collapse risk assessment and fragility analysis of re
P695 methodology**

Journal of Building Engineering, 1 December 2024

Amgad Mahrous, Belal AbdelRahman, Khaled Galal

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Engineering Structures, 1 July 2024

Luigi Di-Sarno, Armin Majidian

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4 **IM-based seismic reliability assessment of the pre-code m**
Structural **Safety**, November 2024

Vasco Bernardo, Alfredo Campos Costa, Paulo B. Lourenço

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☐ Engineering Structures (32)

Shake table testing represents the best option for assessing and qualifying acceleration-sensitive nonstructural elements (NEs). Several testing protocols are defined in regulations and codes and implemented in the literature, but no commentaries or literature studies provide information regarding the expected reliability or recommend applicative safety factors. The study investigates the seismic reliability of shake table testing protocols for seismic assessment and qualification of acceleration-sensitive NEs. Numerical analyses are carried out considering an incremental procedure and modeling NEs as inelastic single degree of freedom (SDOF) systems, over a wide range of frequencies of interest and NE structural properties. Real floor motions recorded in instrumented reinforced concrete (RC) buildings are considered as a reference. The reliability is estimated considering several damage states and various floor motion sets. In particular, the seismic capacity associated with the real (shake table protocol) floor motions are considered as actual-demand (nominal-capacity) measures, and overestimation of the NE capacity. In the light of the estimated protocol reliability applicative factor abaci and closed-form criteria are proposed.

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Seismic assessment and qualification of acceleration-sensitive nonstructural elements (NEs) using shake table testing protocols and reliability-targeted incremental analysis

Engineering Structures, 15 February 2024

Danilo D'Angela, Gennaro Magliulo, ... Martino Zito

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Seismic collapse risk assessment and P695 methodology

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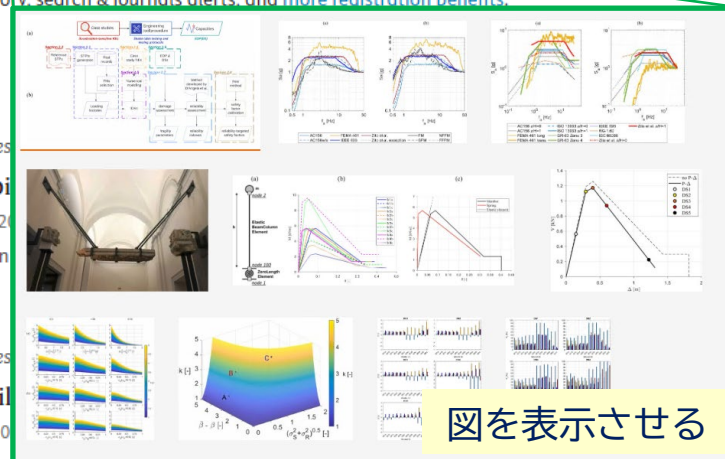
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Danilo D'Angela, Gennaro Magliulo, Chiara Di Salvatore, Martino Zito, Seismic assessment and qualification of acceleration-sensitive nonstructural safety factors, Engineering Structures, Volume 301, 2024, 117271, ISSN 0141-0296, <https://doi.org/10.1016/j.engstruct.2023.117271>, <https://www.sciencedirect.com/science/article/pii/S0141029623016863>
Abstract: Shake table testing represents the best option for assessing and qualification of acceleration-sensitive nonstructural elements (NEs) in regulations and codes and implemented in the literature, but no commentaries or literature studies provide information regarding the expected reliability or recommend applicative safety factors. The study investigates the seismic reliability of shake table testing protocols for seismic assessment and qualification of acceleration-sensitive NEs. Numerical analyses are carried out considering an incremental procedure and modeling NEs as inelastic single degree of freedom (SDOF) systems, over a wide range of frequencies of interest and NE structural properties. Real floor motions recorded in instrumented reinforced concrete (RC) buildings are considered as a reference. The reliability is estimated considering several damage states and various floor motion sets. In particular, the seismic capacity associated with the real (shake table protocol) floor motions are considered as actual-demand (nominal-capacity) measures, and overestimation of the NE capacity. In the light of the estimated protocol reliability applicative factor abaci and closed-form criteria are proposed.

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図のプレビュー

The screenshot shows the ScienceDirect article page for the paper "Seismic assessment and qualification of acceleration-sensitive nonstructural elements through shake table testing: Reliability of testing protocols and reliability-targeted safety factors" by Danilo D'Angela, Gennaro Magliulo, Chiara Di Salvatore, and Martino Zito. The page includes a left sidebar with navigation links (Outline, Highlights, Abstract, Keywords, etc.), a main content area with the title, authors, and a highlights section, and a right sidebar with recommended articles and article metrics. A green arrow points from the "View PDF" button to a thumbnail of the PDF document. An orange arrow points from the "Cited by (10)" link to a list of citing articles. A blue arrow points from the "Figures (19)" link to a preview of the figures.

Engineering Structures
Volume 301, 15 February 2024, 117271

Seismic assessment and qualification of acceleration-sensitive nonstructural elements through shake table testing: Reliability of testing protocols and reliability-targeted safety factors

Danilo D'Angela ^a, Gennaro Magliulo ^{a, b}, Chiara Di Salvatore ^a, Martino Zito ^a

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Highlights

- New methodology for estimation of reliability of shake table testing protocols.
- Estimation of reliability-targeted safety coefficients.
- Reliability and safety factors depend on element's frequency and damage state.

Outline

- Highlights
- Abstract
- Keywords
- 1. Introduction
- 2. Methodology
- 3. Reliability index and failure probability
- 4. Reliability-targeted safety factors
- 5. Technical recommendations and concluding remarks
- CRedit authorship contribution statement
- Declaration of Competing Interest
- Acknowledgements
- Appendix
- Data Availability
- References
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- Non-structural elements and the dynamic response of buildings: A review**
Engineering Structures, Volume 187, 2019, pp. 242-250
A. Devin, P.J. Fanning
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- Seismic demand and capacity assessment of suspended ceiling systems**
Engineering Structures, Volume 183, 2018, pp. 1-15
Sara Brandiolese, ..., Roberto Zuccherato
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