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Structural Analysis & Design Software





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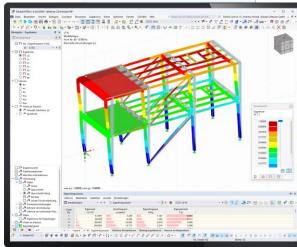


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Analysis of Induced Vibrations in Time History Analysis Add-On in RFEM 6

Webinar





Questions During the Presentation



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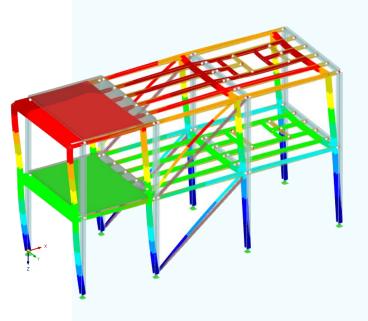
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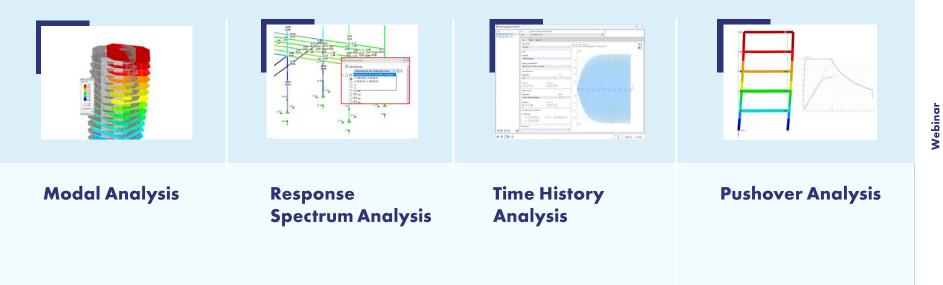
CONTENT

- 01 Overview of dynamic analyses in RFEM
- 02 Natural frequency analysis of a structure using the Modal Analysis addon
- 03 Linear time history analysis with machine-induced vibrations using the Time History Analysis add-on
- 04 Evaluation of calculation and optimization of the structure





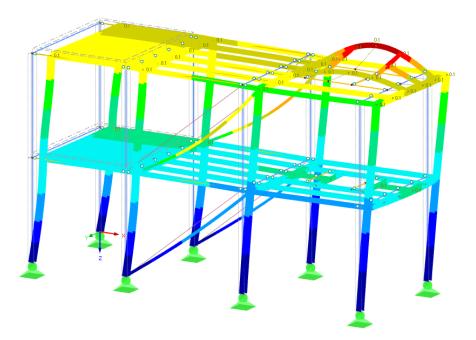
Add-Ons for Dynamic Analysis - RFEM 6 / RSTAB 9





Practical Example: Machine-Induced Vibrations

- Frame structure is now excited by a dynamic load
- Rotating unbalance with a frequency of 5.6 Hz and a force of 0.2 kN



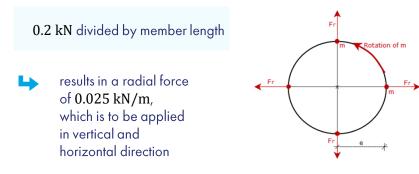


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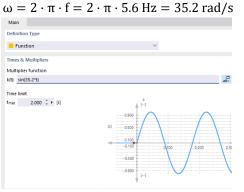
Input Values

Radial Force



Definition of Time Diagrams

- time diagrams separated by vertical and horizontal component
- by displacing the curve about quarter of circumference: $\pi/2$
- angular frequency is calculated by





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Dlubal Software provides an online tool with snow, wind and seismic zone maps.



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With this free online tool, you can select standardized sections from an extensive section library, define parametrized cross-sections and calculate its cross-section properties.

FAQs & Knowledge Base

Access frequently asked questions commonly submitted to our customer support team and view helpful tips and tricks articles to improve your work.

Häufig gestellte Fragen (FAQs

Ich mochte in RSTAB die Bettungsziffer für Weg-, Schub- und Drehfeder starr eingeben. Welche Werte muss ich definieren?

Models to Download

Download numerous example files here that will help you to get started and become familiar with the Dlubal programs.





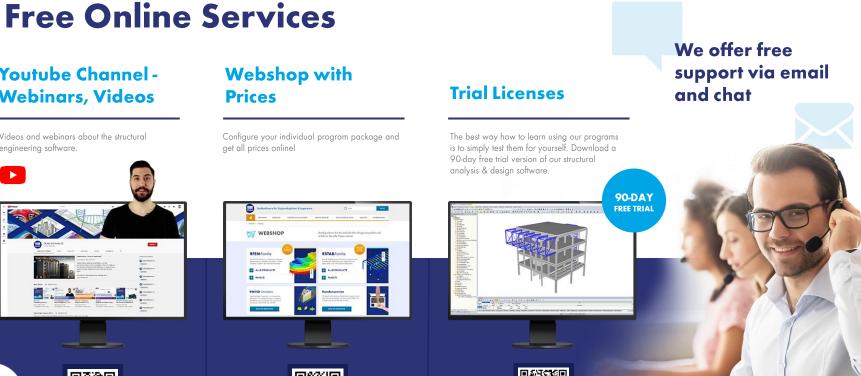
T-Profile, T-Profile aus Stahl -R.











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