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# Structural Analysis & Design Software

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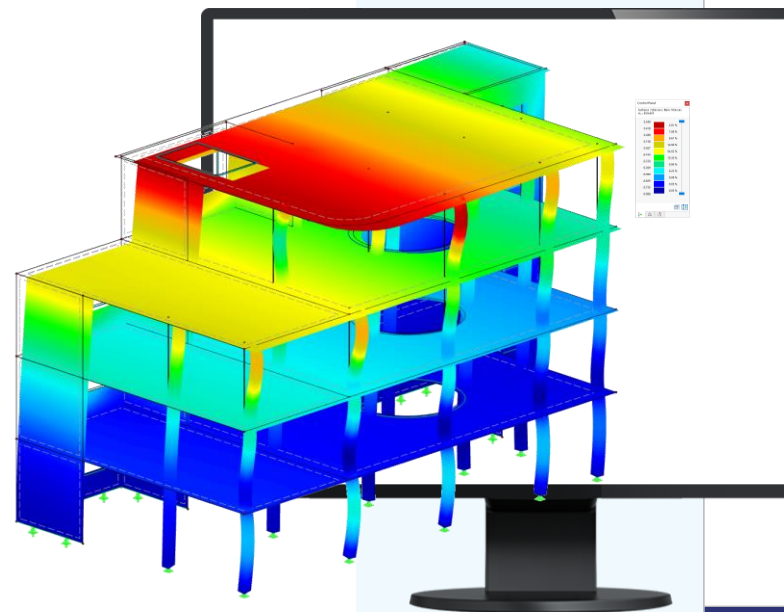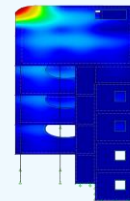Product Engineering & Customer Support
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**Webinar**

# Introduction to the New Pushover Analysis Add-On

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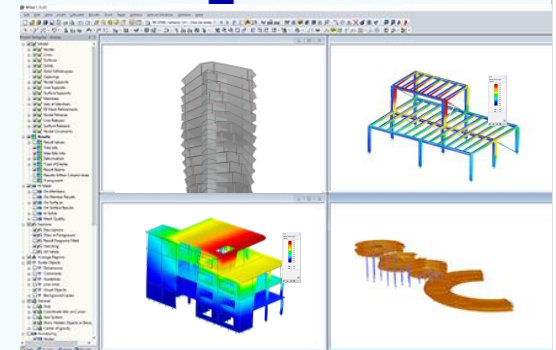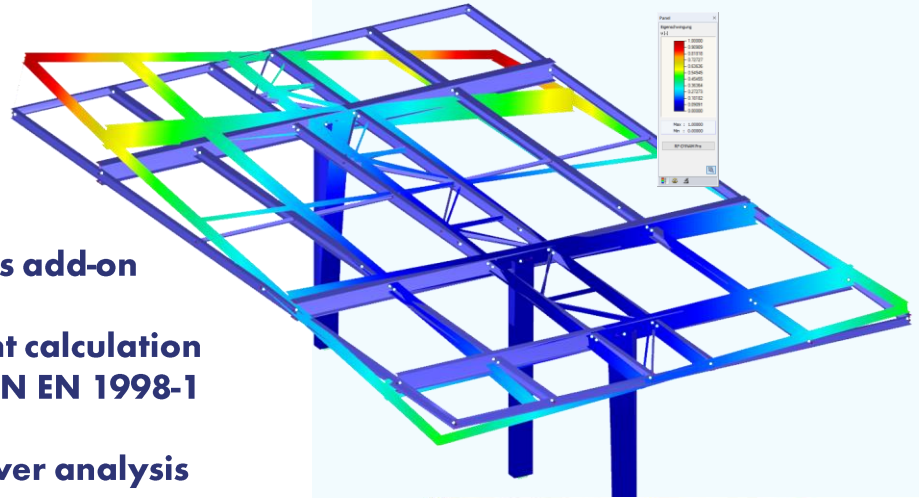
# What is a Pushover Analysis?

The pushover graph represents the structure's ability to resist lateral loads, and therefore it is also called capacity curve.

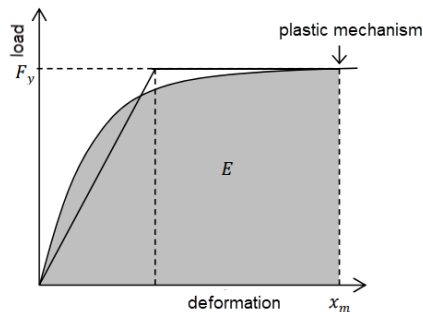The purpose of the pushover analysis is to determine the maximum nonlinear reaction of the structure to seismic loads. The maximum is indicated by the largest displacement of the control node. Based on this value, the hinges' position and plastic limit state are then determined and the displacement for the story drift is analyzed.



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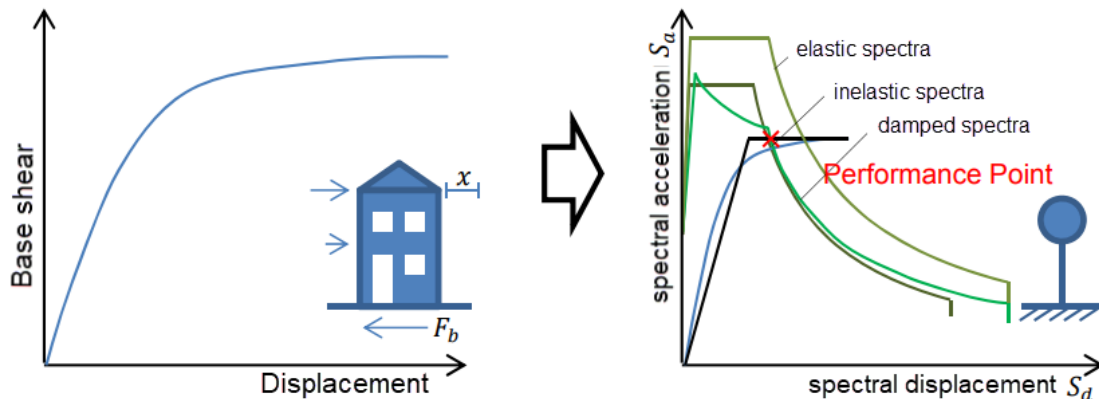
# How to perform the analysis?

- Determination of elastic response spectrum
- Creation of dynamic system
- Identification of pushover curve
- Determination of pushover curve for equivalent single degree of freedom system (SDOF)
- Determination of period for equivalent SDOF
- Determination of target displacement of equivalent SDOF
- Calculation of target displacement of original system
- Check of acceptance of target displacement
- Graphical check in Sa-Sd diagram

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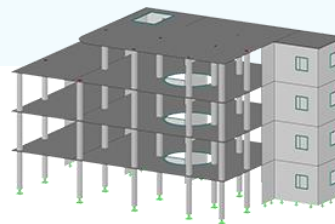Sales

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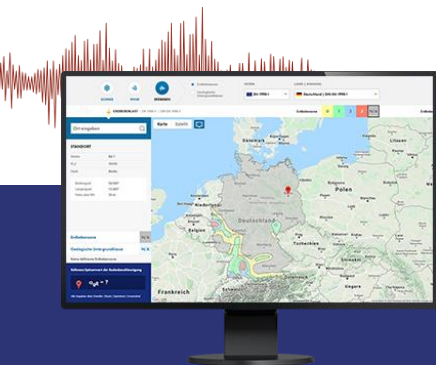**Dlubal**

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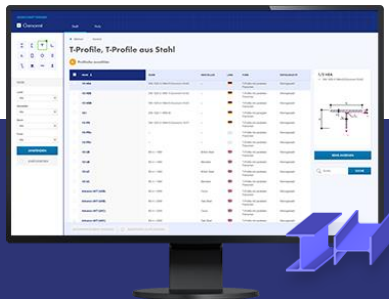
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## Geo-Zone Tool

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

## Cross-Section Properties

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.
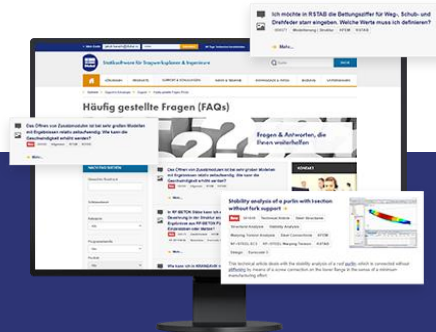
## Models to Download

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

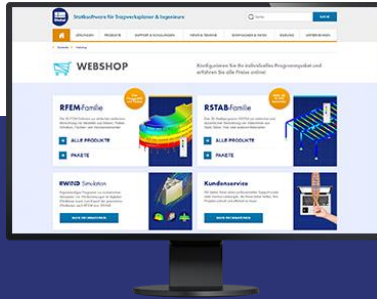Webinar

# Free Online Services

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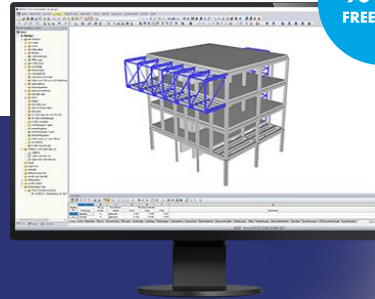Videos and webinars about the structural engineering software.

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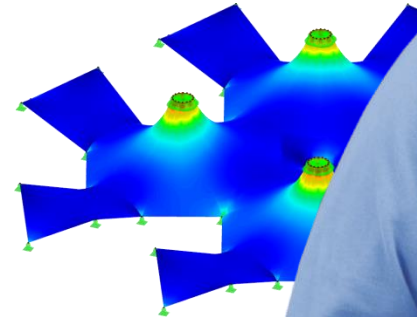**www.dlubal.com**

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