



Structural Analysis & Design Software



www.dlubal.com



Dipl.-Ing. (FH) Andreas Hörold
Organizer

Marketing & Public Relations
Dlubal Software GmbH



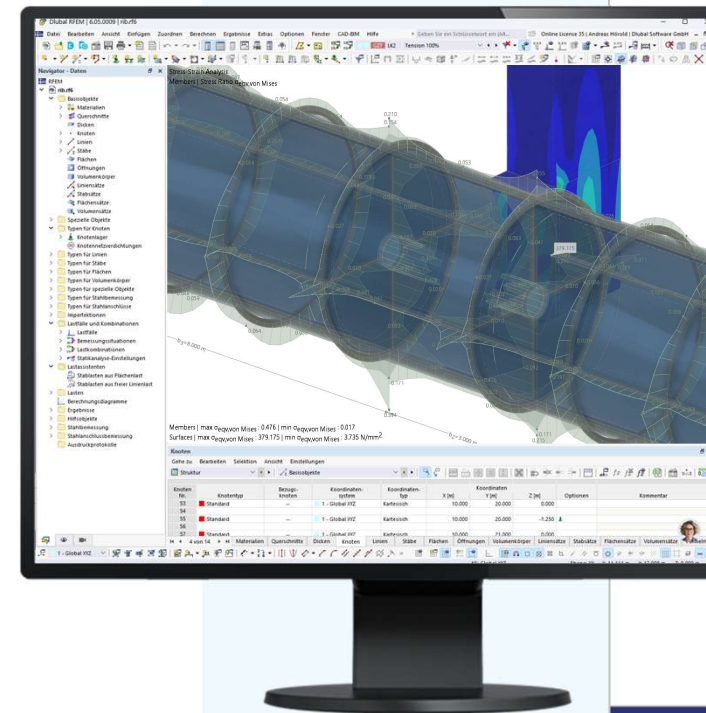
Dipl.-Ing. Florian Hiddemann
Co-Organizer

Product Manager
Dlubal Software GmbH



Webinar

Optimization with Stress and Strain Analysis



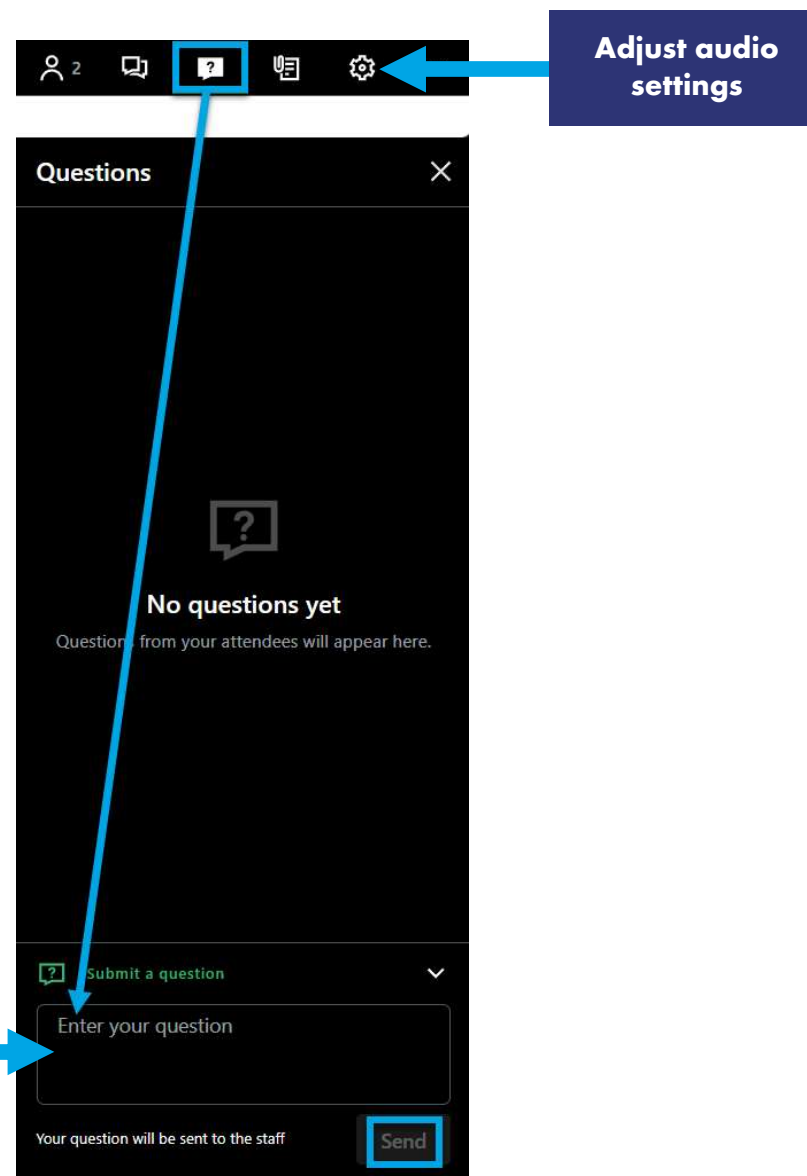
Questions During the Presentation



GoToWebinar Control Panel
Desktop



E-mail: **info@dlubal.com**



Adjust audio settings

Questions

No questions yet

Questions from your attendees will appear here.

Submit a question

Enter your question

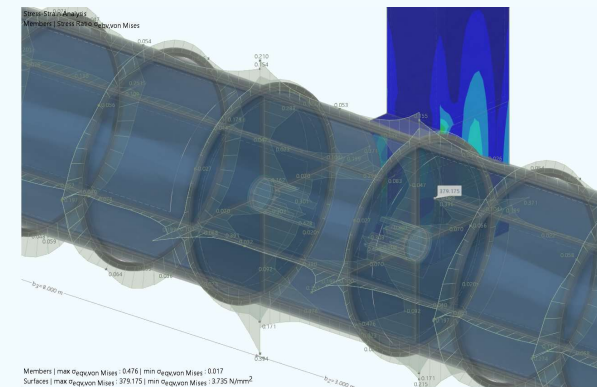
Your question will be sent to the staff

Send

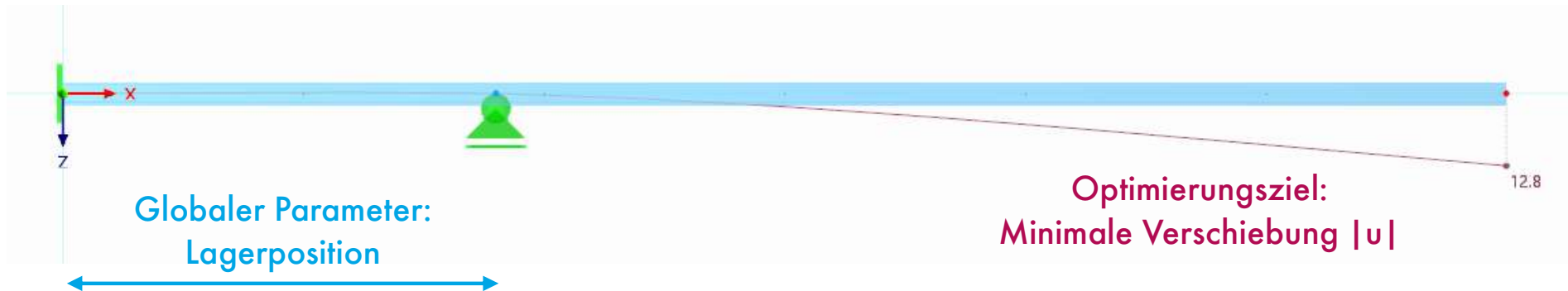


CONTENT

- 01 Basic functionality in the Add-on Optimization
- 02 Problem definition using an example
- 03 Use of stress and strain analysis using an example
- 04 Geometry determination using an example



Einführungsbeispiel





Optimierungsziele

- Ergebnisse jeder Berechnung werden anhand des gewünschten Zielwertes bewertet
- Für jede Berechnung wird ein bestimmter Satz an Parametern verwendet
- Vergleich der n-besten Ergebnisse
- Bei Verwendung mit Bemessungs-Add-Ons werden nur erfolgreiche Ergebnisse zum Vergleich behalten!

Optimierungsparameter

Beste Anzahl an Modellmutationen beibehalten

20

Zielwert

Min. Kosten | \$min
Min. Gesamtgewicht | $W_{\Sigma,min}$
Min. vektorielle Verschiebung | $|u|_{min}$
Min. Stabverformung | $|u|_{m,min}$
Min. Flächenverformung | $|u|_{s,min}$
Min. Kosten | \$min
Min. CO2 | $CO_{2,min}$
Min. globaler Parameter
Max. globaler Parameter

Online Courses

RFEM 6 Master Class

All you need to know for a start!



TO THE RFEM COURSE

Eurocode 2 Master Class

Deep Dive in Reinforced Concrete Design with RFEM 6!



TO THE EC 2 COURSE

Eurocode 3 Master Class

Deep Dive in Steel Design with RFEM 6!



TO THE EC 3 COURSE

Online Courses

Eurocode 5 Masterclass

Deep Dive in Timber Design with
RFEM 6!



TO THE EC 5 COURSE

Eurocode 8 Masterclass

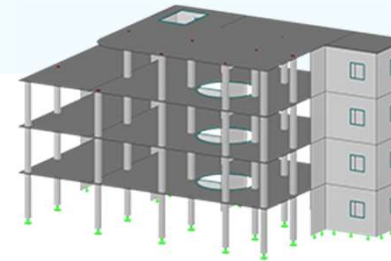
Deep Dive into Earthquake Design
with RFEM 6!



TO THE EC 8 COURSE

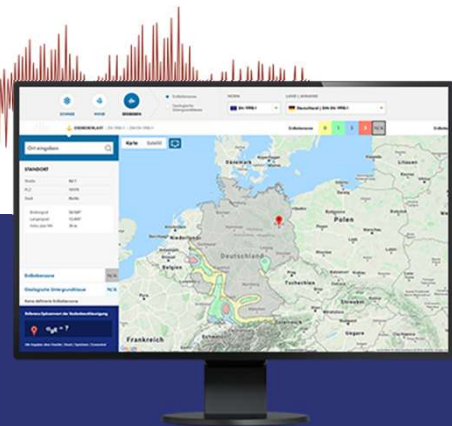


Free Online Services



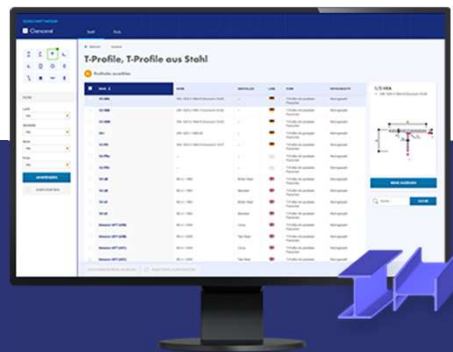
Geo-Zone Tool

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



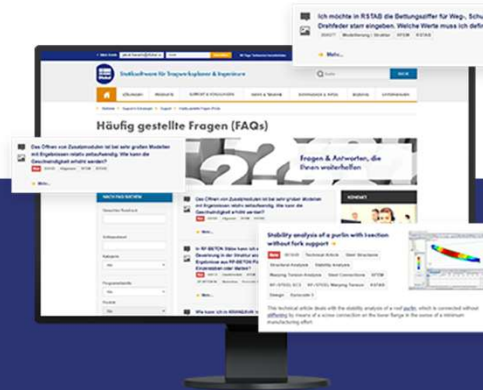
Cross-Section Properties

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.

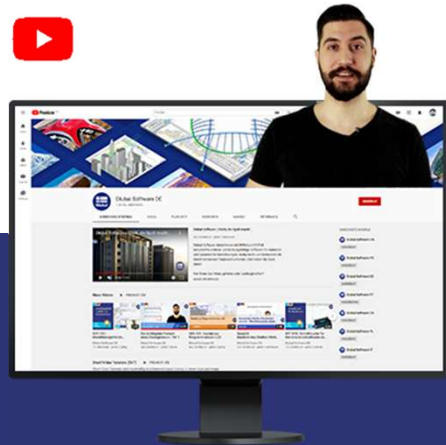




Free Online Services

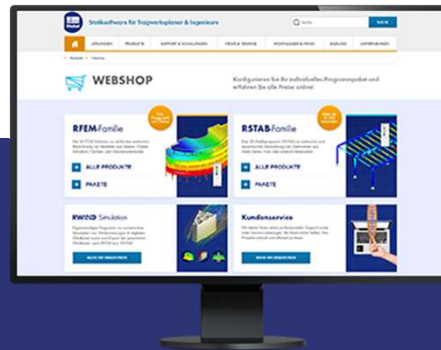
Youtube Channel - Webinars, Videos

Videos and webinars about the structural engineering software.



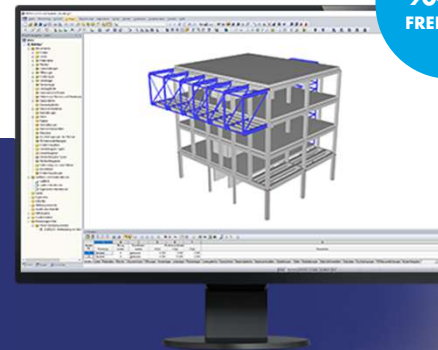
Webshop with Prices

Configure your individual program package and get all prices online!



Trial Licenses

The best way how to learn using our programs is to simply test them for yourself. Download a 90-day free trial version of our structural analysis & design software.

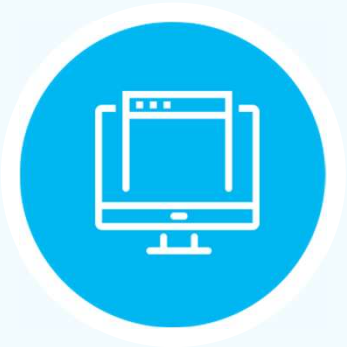


90-DAY
FREE TRIAL

We offer free support via email and chat



Get Further Details About Dlubal



Visit website
www.dlubal.com

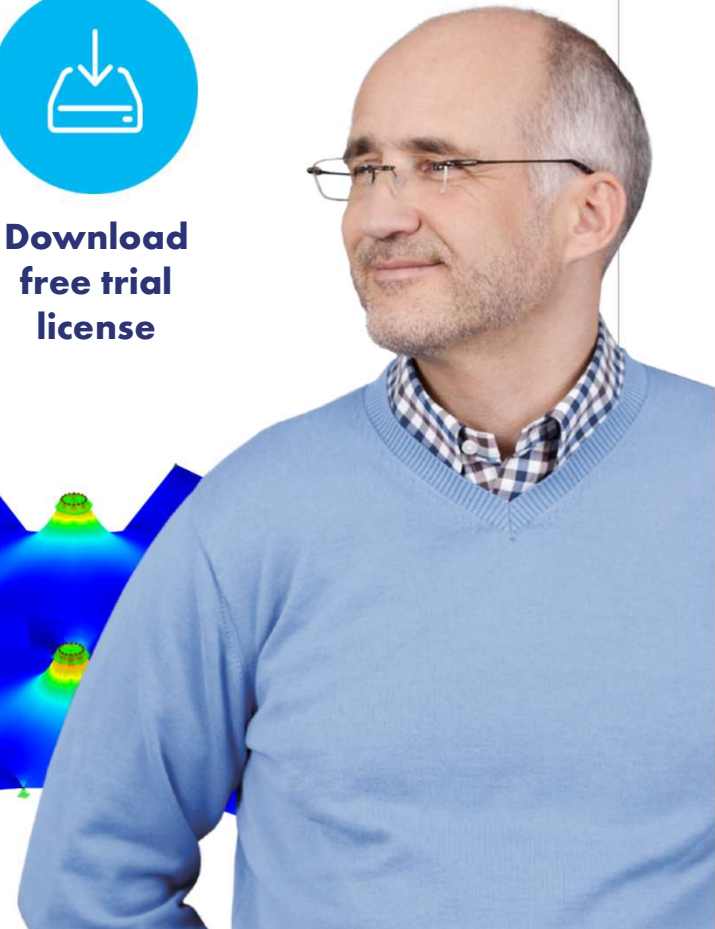
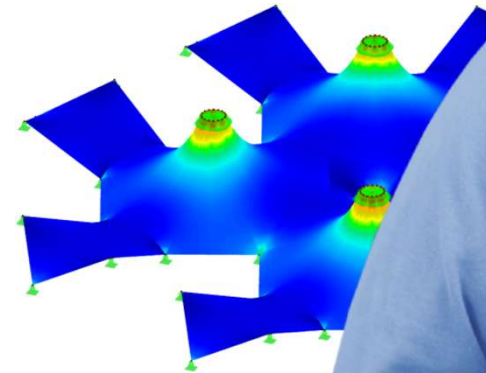
- Videos and recorded webinars
- Newsletters
- Events and conferences
- Knowledge Base articles



See Dlubal
Software in
action in a
webinar



Download
free trial
license



Dlubal Software GmbH
Am Zellweg 2,
93464 Tiefenbach, Germany

Phone: +49 9673 9203-0
E-mail: info@dlubal.com



www.dlubaal.com