



Structural Analysis & Design Software

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Dipl.-Ing. (FH) Andreas Hörold
Organizer

Marketing & Public Relations
Dlubal Software GmbH



Sonja von Bloh, Msc.
Co-Organizer

Product Engineering & Customer Support
Dlubal Software GmbH

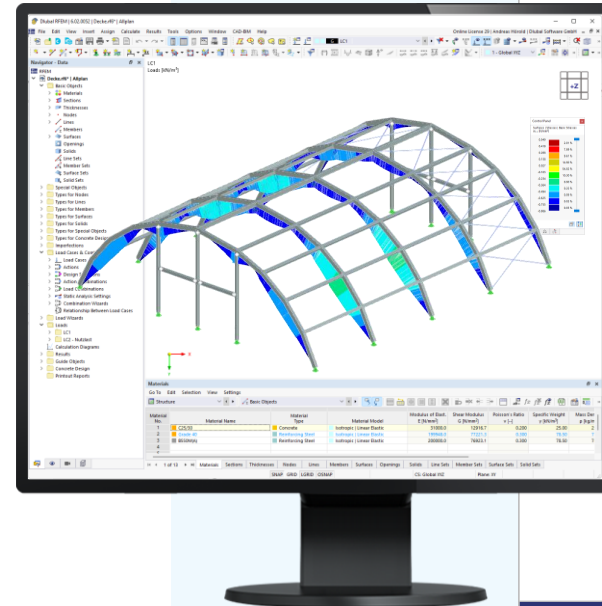


Jonas Bien, Dr.-Ing.
Co-Organizer

Product Engineering & Customer Support
Dlubal Software GmbH

Webinar

Design of Industrial Tent Made of Aluminum Sections in RFEM 6



Questions During the Presentation



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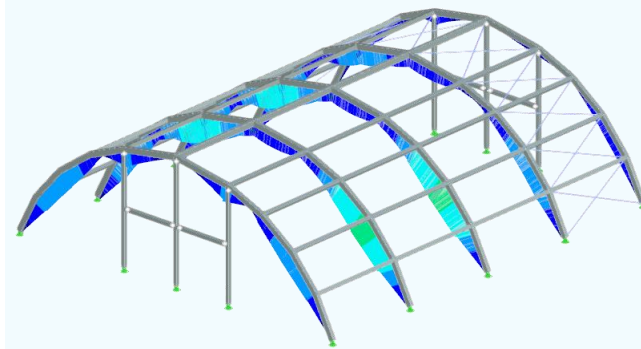


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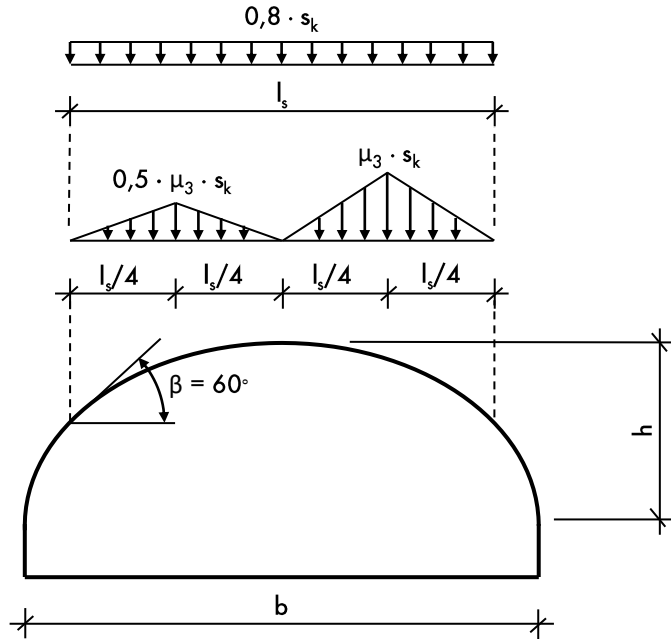


CONTENT

- 01 **Creating an aluminum cross-section in RSECTION**
- 02 **Modeling a tent hall in RFEM 6**
- 03 **Load definition**
- 04 **Design in Aluminum Design add-on**



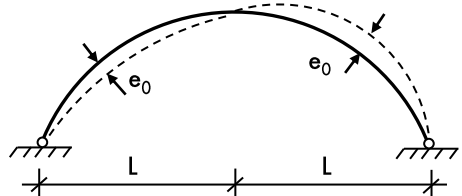
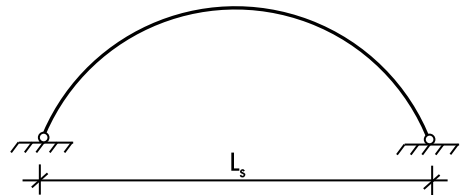
Snow loads on cylindrical roofs acc. EN 1991-1-3



h/b	μ_3
$< 0,18$	$0,2 + 10 \cdot h/b$
$\geq 0,18$	$2,0$

Imperfections

$$\frac{e_0}{L} = \frac{M_{o,Rd}}{N_{o,Rd}} \left(\frac{1}{\chi} - \frac{\bar{\lambda}^{-2}}{\gamma_{M1}} \right) (1 - \chi^\eta)^{1/\beta}$$

<p>In-plane buckling</p>	
<p>Out-of-plane buckling</p>	 <div style="margin-left: 200px;"> <p>$L_s \leq 12 \text{ m} \quad L = L_s$</p> <p>$L_s > 12 \text{ m} \quad L = \sqrt{12 \cdot L_s[\text{m}]}$</p> </div>

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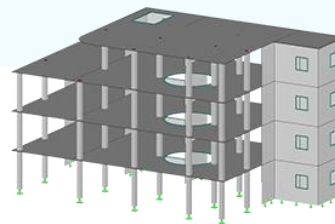
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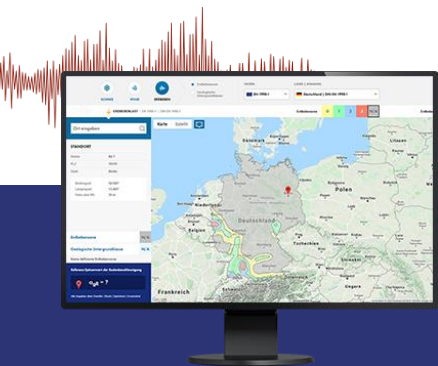


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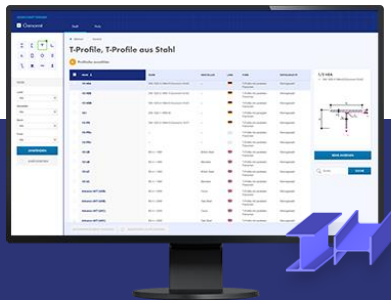
Geo-Zone Tool

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



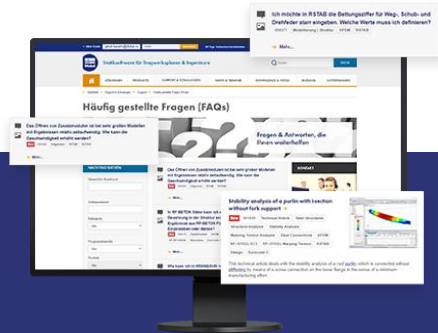
Cross-Section Properties

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.

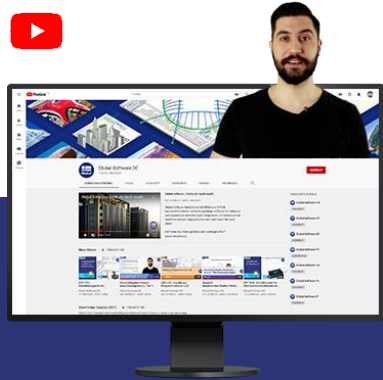




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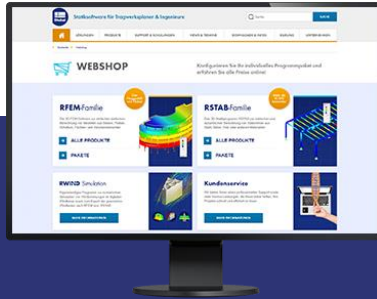
Youtube Channel - Webinars, Videos

Videos and webinars about the structural engineering software.



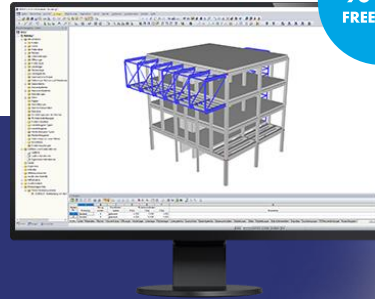
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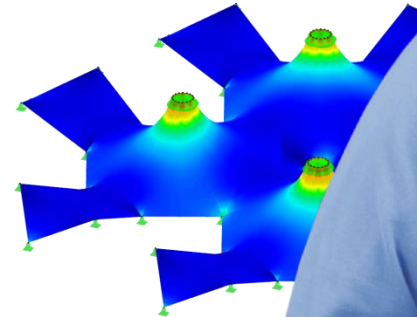
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Dlubal Software GmbH
Am Zellweg 2,
93464 Tiefenbach, Germany

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



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