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Structural Analysis & Design Software





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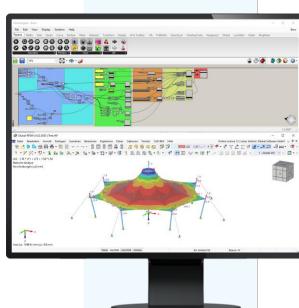


Paul Sivolgin, B.Eng.

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Modeling Membrane Structure Using Rhino/Grasshopper and RFEM 6

Webinar





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Questions During the Presentation



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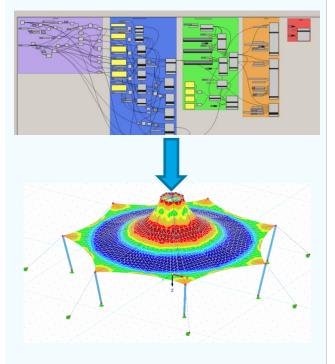
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CONTENT



02 Live demo modeling of a membrane structure

03 Planned features





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New features of the GH interface

Cross-section input via cross-section values

 Nonlinearities for node and line supports as well as member hinges

New components for line releases



Angle 3

1st axis

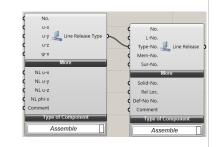
2nd axis

Di-Node

PI-Node

Line No.

Mem No. Comment Type of Component Assemble





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New features of the GH interface

Initial state in load cases and load combinations components

• Formfinding loads in member and surface load components

LC name Static Set Load Case
More
SW active
SW X
SW Y
SW Z
To Solve
Init state
Init case
Comment
Type of Component
Assemble

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No.) (No.	
LC No.	((LC No.	
Mem No.		Surf No.	
L-Type		L-Type	æ
L-Dis Member Load	2	L-Dis	Surface Load
CS	0	CS	
L-Dir		L-Dir	
р		р	
More			More
A		p1	
B		p2	
c		p3	
n		Node 1	
p1		Node 2	
p2		Node 3	
p3		Tc	
p5 Tc		delta-T	
		FF method	
delta-T		FF def	
Deftype			
Geo def		nx	
%		ny	
Lc / S		sx	
Lc,rel/Srel	0	sy	
Int force		sr	
Force def	(st	
Comment		Axis def	
Type of Component		P1_X	
Assemble	0	P1_Y	
) (P1_Z	
	(P2_X	
	c	P2_Y	
	c	P2_Z	
	(Comment	
		Туре о	of Component
		As	semble
			L

Planned features for future developments

- Import of results from RFEM into GH (also the FE-mesh)
- Component for FE-mesh settings and start of the calculation
- Import of members including cross-section outlines
- Optimizations regarding the input of rib members
- Component for imperfections

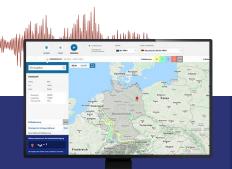


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Free Online Services

Geo-Zone Tool

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







Cross-Section Properties

T-Profile, T-Profile aus Stahl

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

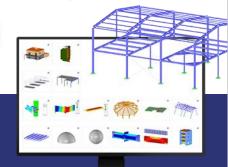
Access frequently asked questions commonly submitted to our customer support team and view helpful tips and tricks articles to improve your work.

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

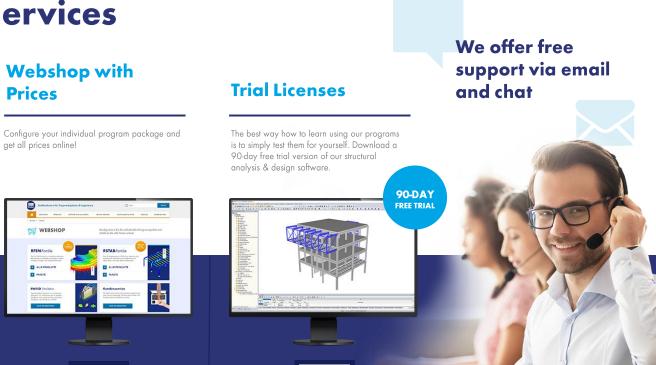
Download numerous example files here that will help you to get started and become familiar with the Dlubal programs.











Free Online Services

Youtube Channel -Webinars, Videos

Videos and webinars about the structural engineering software.











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