

Webinar

Dlubal

API in RSECTION

The screenshot displays a software interface with a 2D cross-section of a beam on the left and a Python script on the right. The cross-section is a rectangular shape with a central vertical slot, defined by points 1 through 5. The Python script defines the structure and material properties for this cross-section.

```
1 from dlubal.api import rsection, rfem, common
2 import os
3
4 def define_structure() -> list: 1usage
5 # --- Variables ---
6 dt = 0.01
7 d1 = 0.20
8 objs = []
9
10 # Define material
11 objs.append(
12     rsection.structure_core.Material(
13         no=1,
14         name='S235',
15     )
16 )
17
18 # --- Define points ---
19 points = [
20     (1, -dt/2, 0.00),
21     (2, dt/2, 0.00),
22     (3, -dt/2, d1),
23     (4, dt/2, d1),
24     (5, 0.00, 0.00)
```

Punkt Nr.	Punkttyp	Bezugs-punkt	Koordinaten-typ	Koordinaten Y [mm]	Koordinaten Z [mm]	Optionen	Kommentar
4	Standard	--	Kartesisch	5.0	30.0		
5	Standard	--	Kartesisch	0.0	0.0		

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Today with



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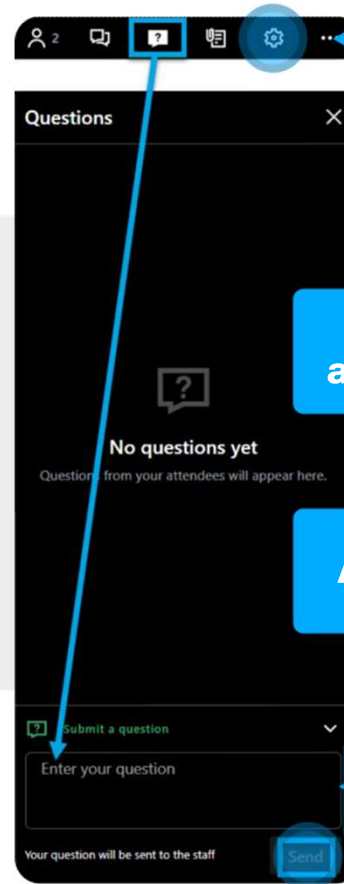
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Questions During the Presentation

1

**Webinar Control
Panel Desktop**



**Adjust
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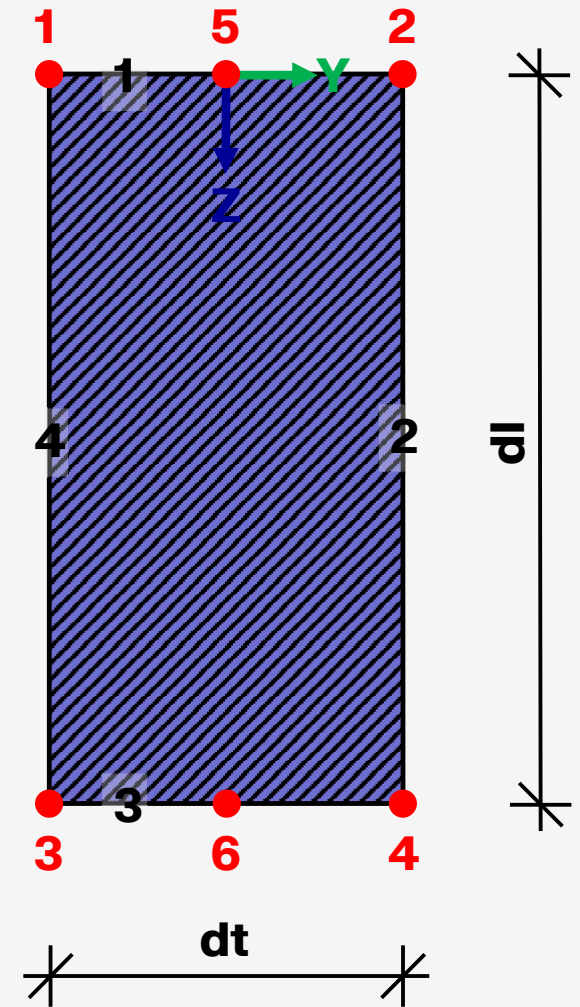
Ask question

or 2

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Content

- 1 Installation and first steps
- 2 Creating a cross-section
- 3 Import of a cross-section in RFEM 6



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