Wooclap

## **VIB : Continuous systems**

Number of participants: 27



## ⇒: 2. Can you match the boundary condition type for these real world structures

21 respondents

Image: boost of a careImage: boost of

If the length of a bar is divided by 4, its natural **10 correct answers** 3. frequency corresponding to traction-compression out of 19 respondents modes is divided by 2 0 votes 0% multiplied by 2 3 votes 16% multiplied by 4 53% 10 votes divided by 4 6 votes 32%

If the length of a beam is divided by 2, its first 4. natural frequency corresponding to a bending mode shape is

14 correct answers

out of 21 respondents







7. Modal truncation consists in

## **10 correct answers**

out of 18 respondents







We ignore the influence of out-of-band modes in the frequency band of interest

65%

13 votes



frequencies are at 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 10. Hz. You wish to compute the response using the truncation in the modal basis, from 0 to 5 Hz. How many modes should you use ?

**20 correct answers** out of 21 respondents

