

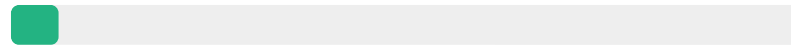
Vibrations and Acoustics - Continuous systems

Number of participants: 40

1

A continuous system has

as many eigenfrequencies
as there are joints in the
structure



6%

2 votes

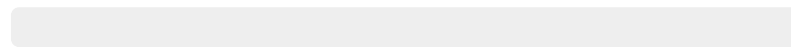
**an infinite number of
eigenfrequencies**



94%

30 votes

it depends on the
frequency band of the
excitation signal



0%

0 votes

2

Modal truncation consists in

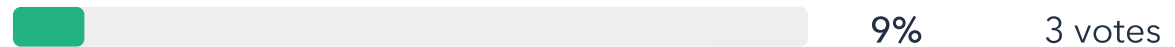
computing the response of a system using only the modes which are excited by the external forces



computing the response of a system using only the first 5 modes



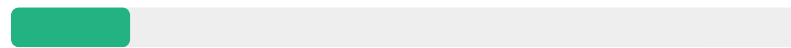
using a truncation of the Fourier series of the excitation signal



3

In practice, the number of dofs in a finite element is usually dictated by

The dynamics of the system



15%

5 votes

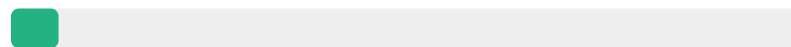
The geometry of the system



79%

27 votes

The frequency of excitation of the system

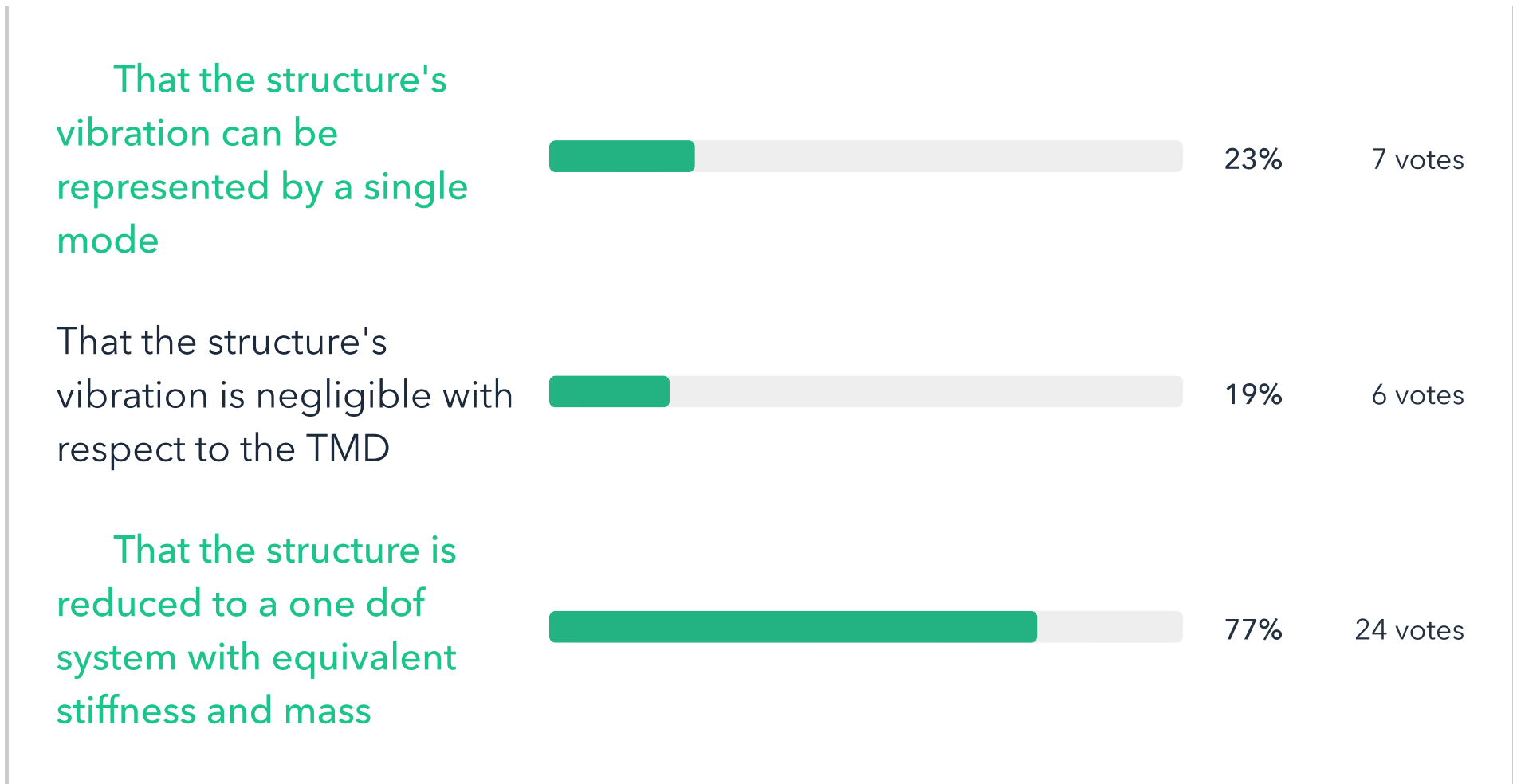


6%

2 votes

4

The tuning rules for TMD can be applied
for continuous structures assuming



5

How is your understanding of the course

