

# VIB2019\_Continuous\_Systems

Number of participants: 0

1

## A continuous system has

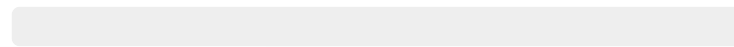
as many  
eigenfrequencies as  
there are joints in the  
structure



0%

0 votes

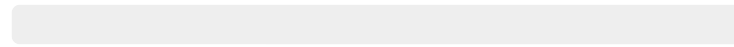
✓ an infinite number of  
eigenfrequencies



0%

0 votes

it depends on the  
frequency band of the  
excitation signal



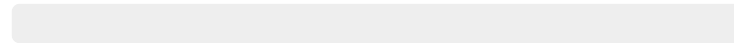
0%

0 votes

2

## Modal truncation consists in

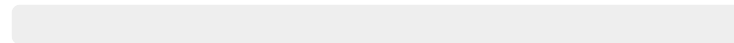
✓ computing the response of a system using only the modes which are excited by the external forces



0%

0 votes

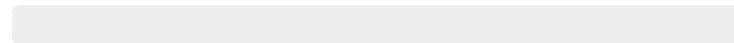
computing the response of a system using only the first 5 modes



0%

0 votes

using a truncation of the Fourier series of the excitation signal



0%

0 votes

3

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

The dynamics of the system



0%

0 votes

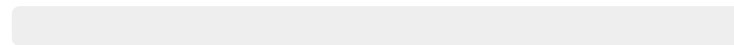
✓ The geometry of the system



0%

0 votes

The frequency of excitation of the system



0%

0 votes

4

## Hysteretic damping models can be used

✓ In the frequency domain	<input type="checkbox"/>	0%	0 votes
In the time domain	<input type="checkbox"/>	0%	0 votes
Both in the frequency and the time domain	<input type="checkbox"/>	0%	0 votes