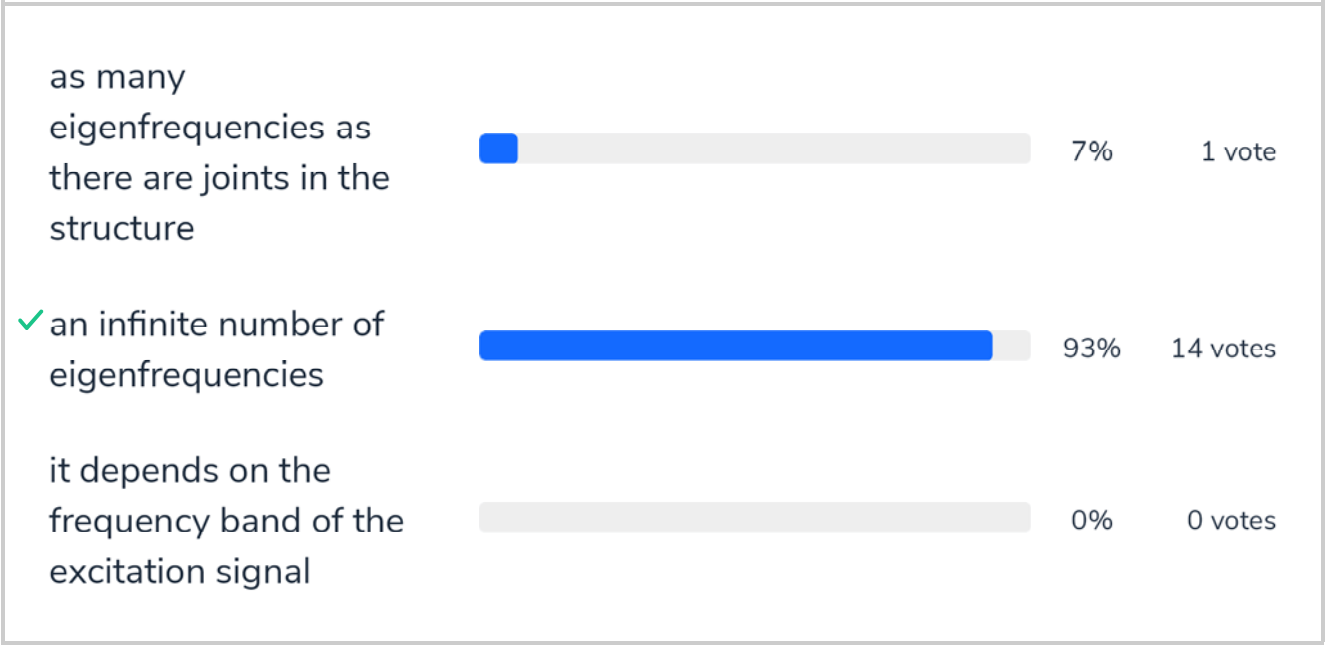
DOS2020_Continuous_systems

Number of participants: 19

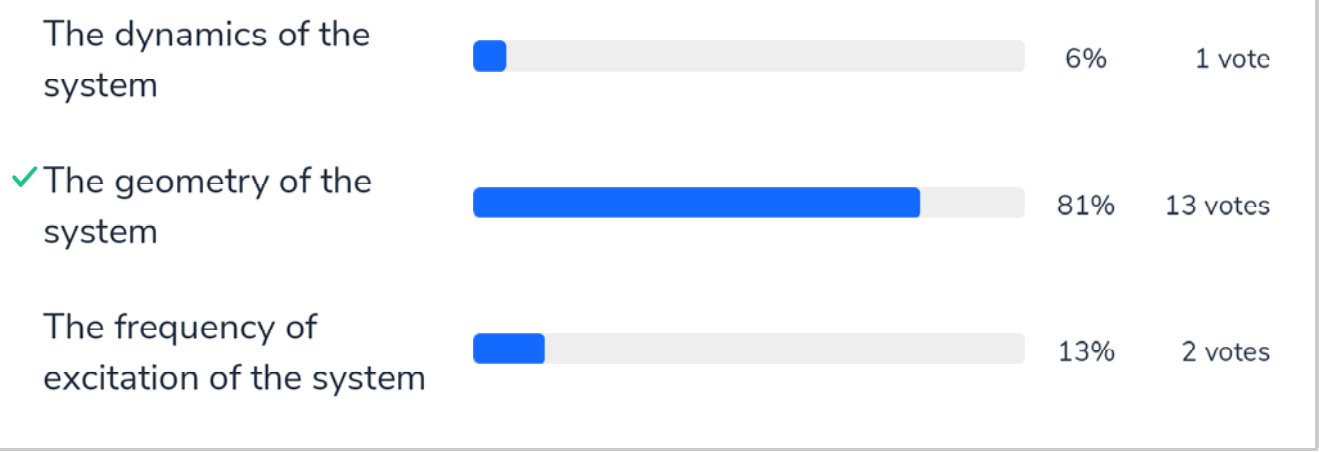
1

A continuous system has



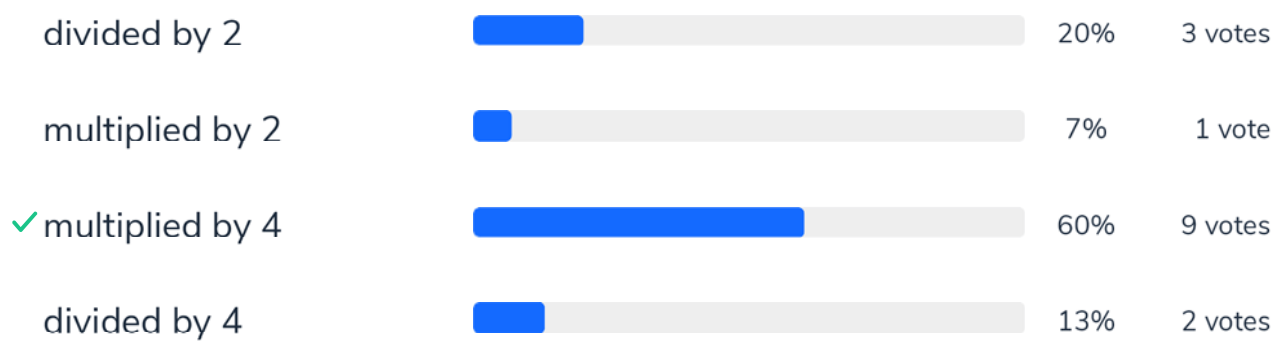
2

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



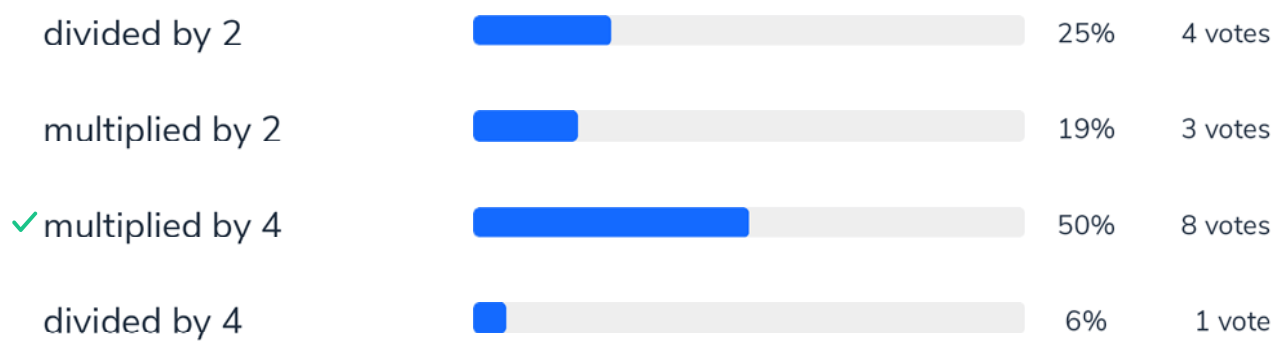
3

If the length of the bar is divided by 4, its natural frequency is



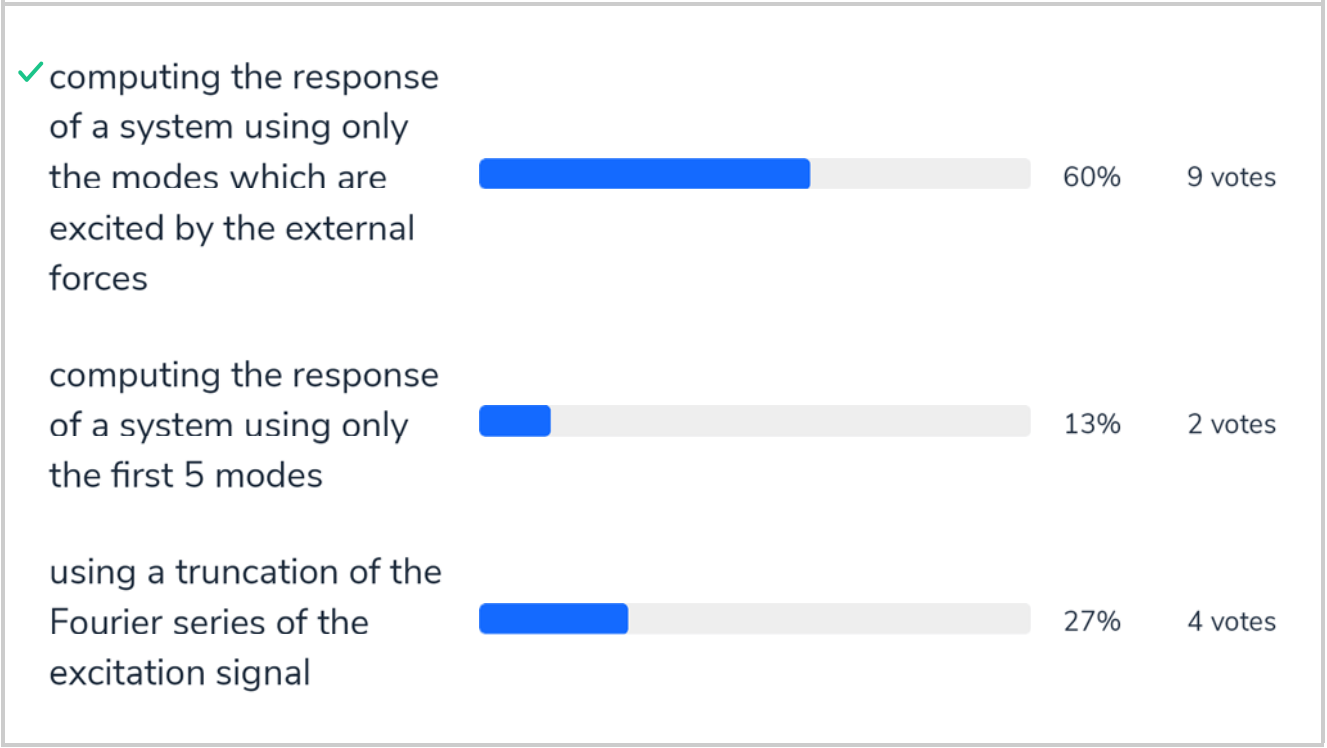
4

If the length of a beam is divided by 2, its first natural frequency is



5

Modal truncation consists in



6

Consider a bar for which the ten first natural frequencies are at 1, 2, 3, 4, 5, 6, 7, 8, 9 and 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 ?