Wooclap

## **VIB : Finite Elements**

Number of participants: 29

## A finite element model with N degrees of freedom has

**18 correct answers** out of 22 respondents







**8 correct answers** out of 19 respondents



## The use of a constant material loss **11** correct answers 4. factor for damping leads to modal out of 18 respondents damping coefficients which depend linearly on the 4 votes 22% frequency and the loss factor which are constant with the frequency 11 votes 61% equal to the loss factor divided by 2 which evolve with the square of the frequency and 3 votes 17%

## If a structure is made of a single material with a loss factor eta=0.02, the modal damping coefficient for all modes is equal to 16 correct answers out of 16 respondents



https://app.wooclap.com/events/UACQZU/results

proportionally to the loss factor

