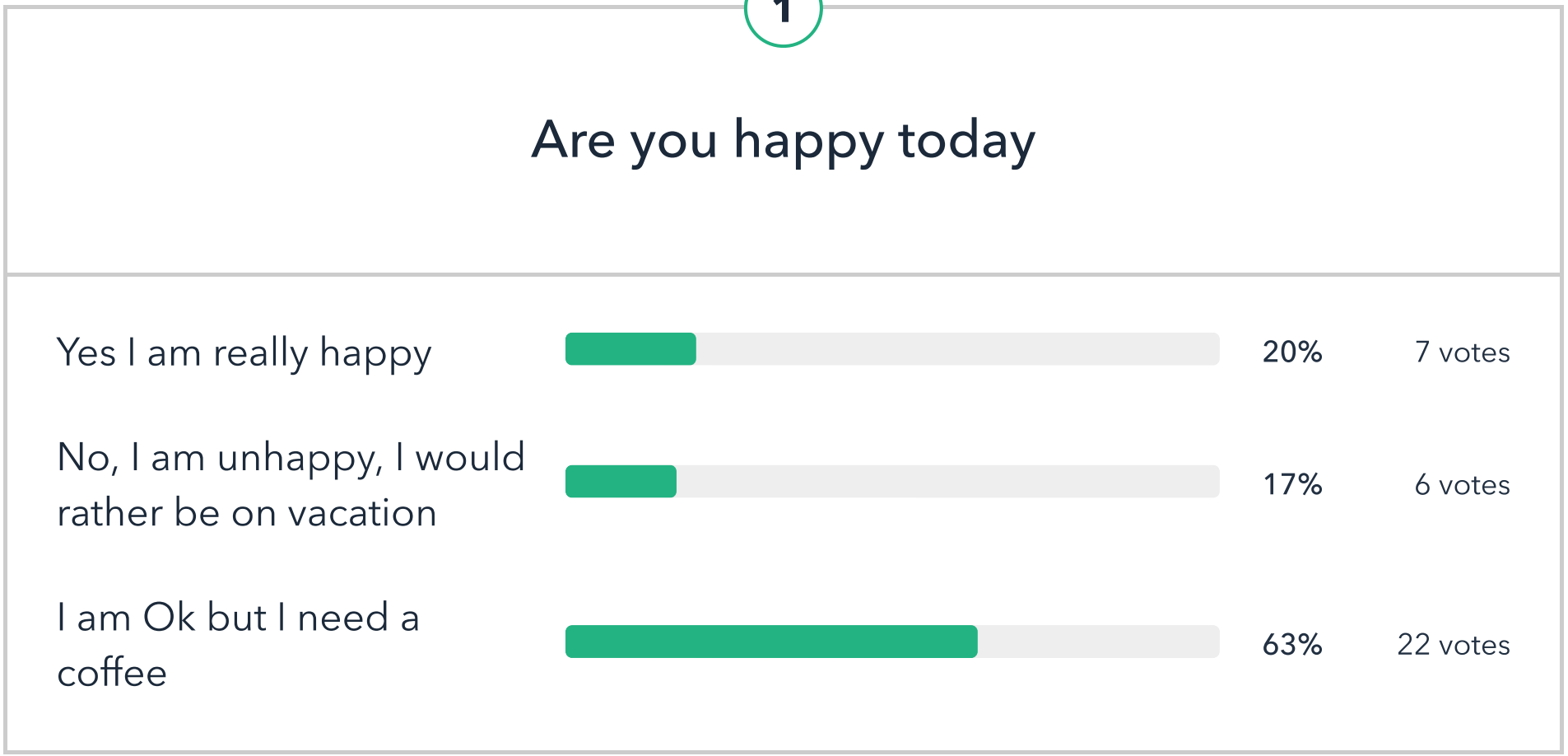
Vibrations and Acoustics - Introduction

Number of participants: 41

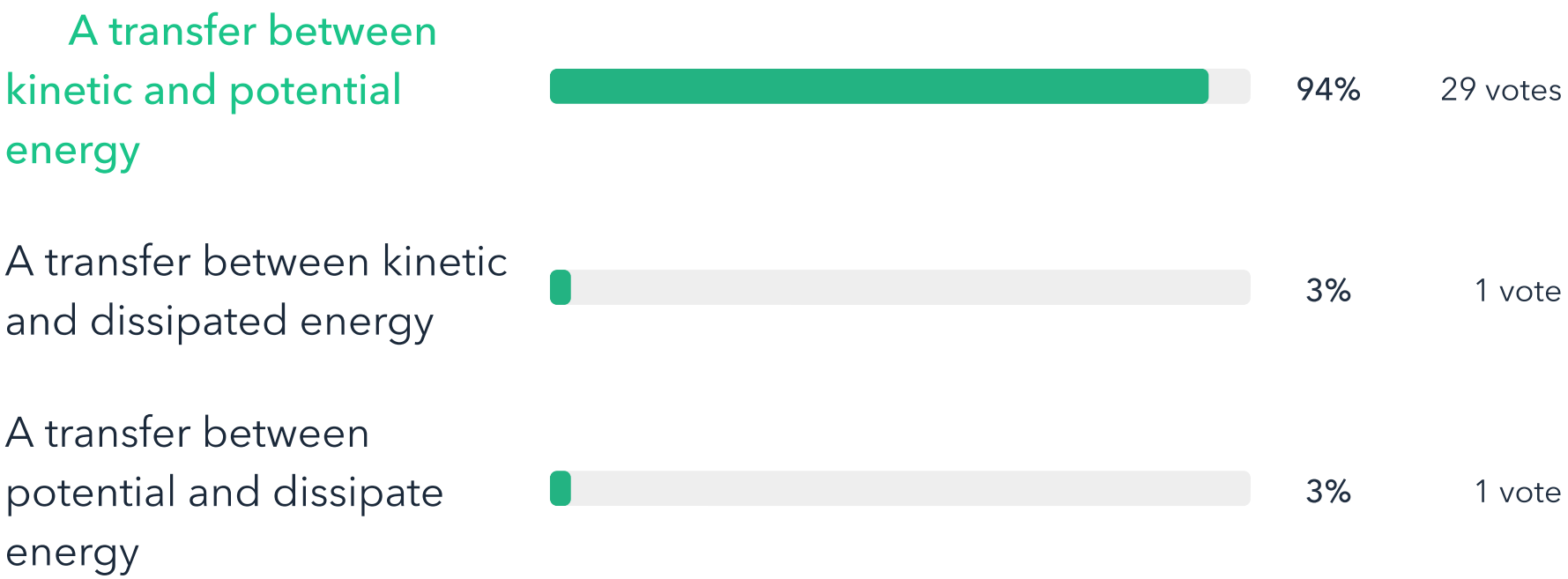
1

Are you happy today



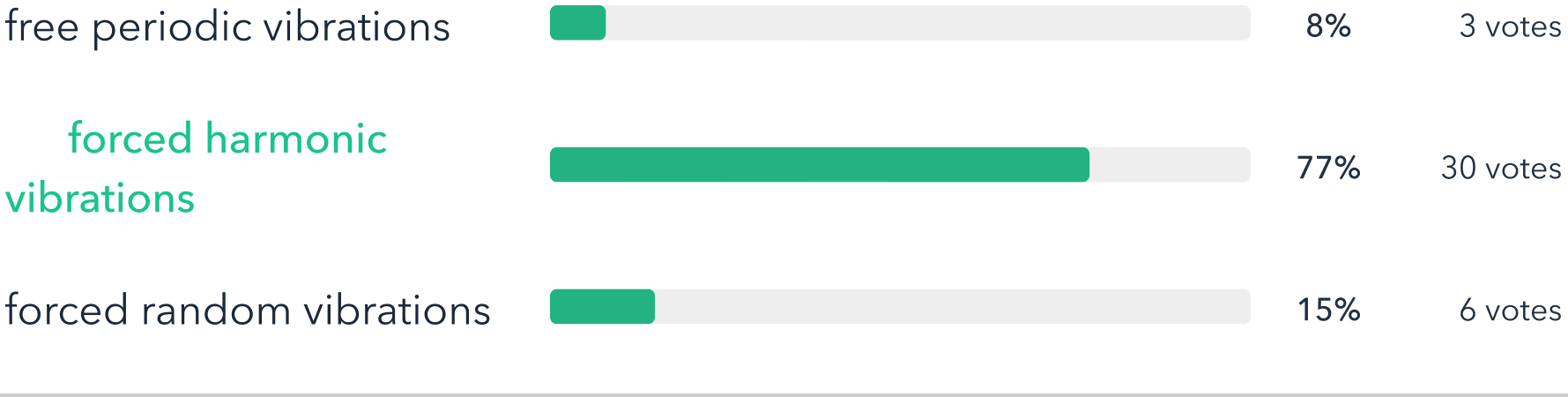
2

The mechanism of vibrations results from



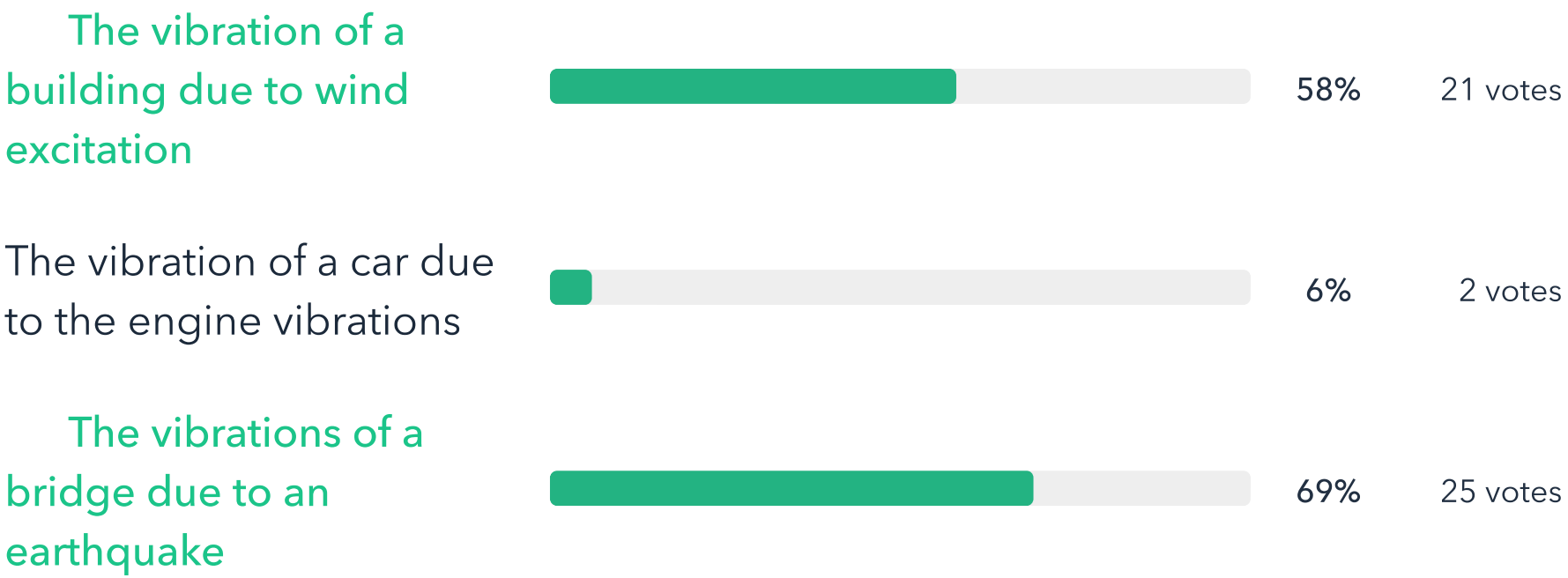
3

The vibrations of a working washing machine can be classified as



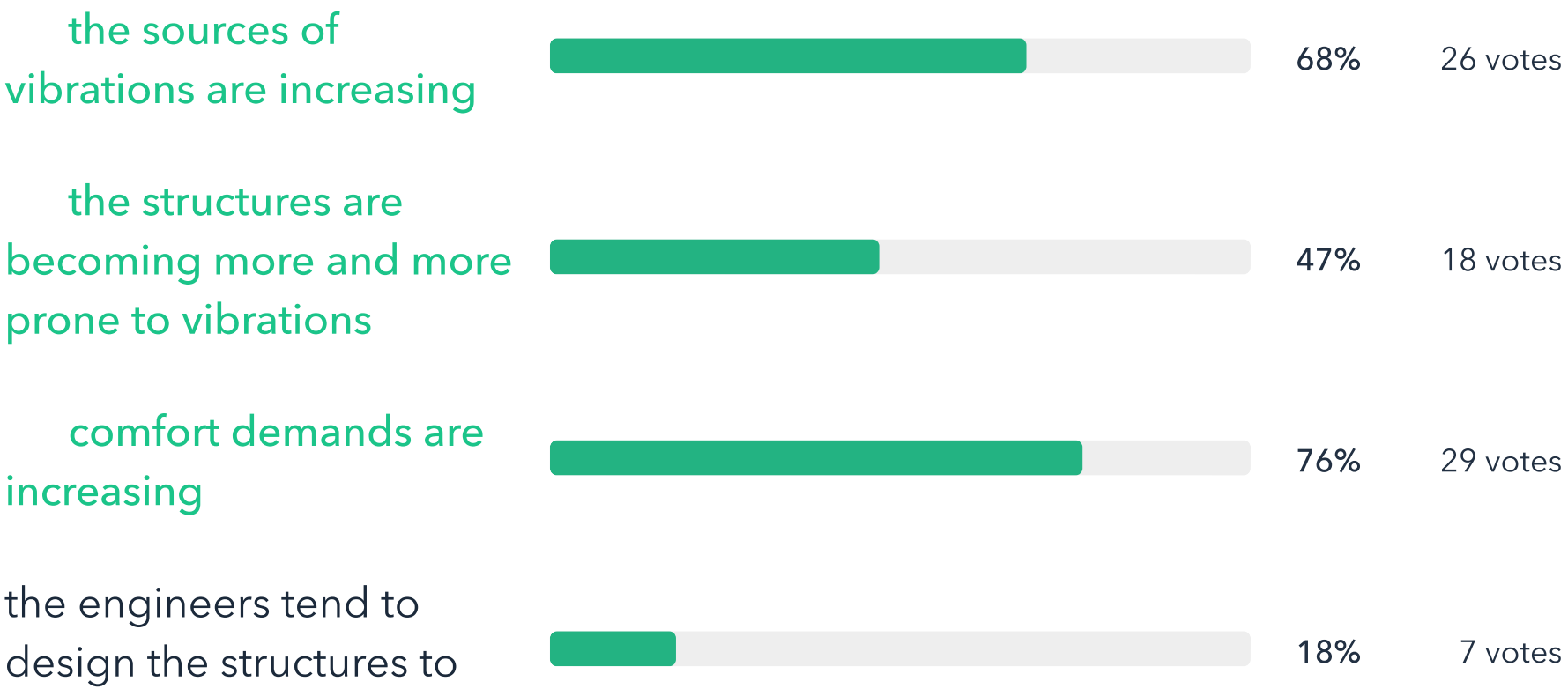
4

Which of these vibrations is a forced random vibration ?



5

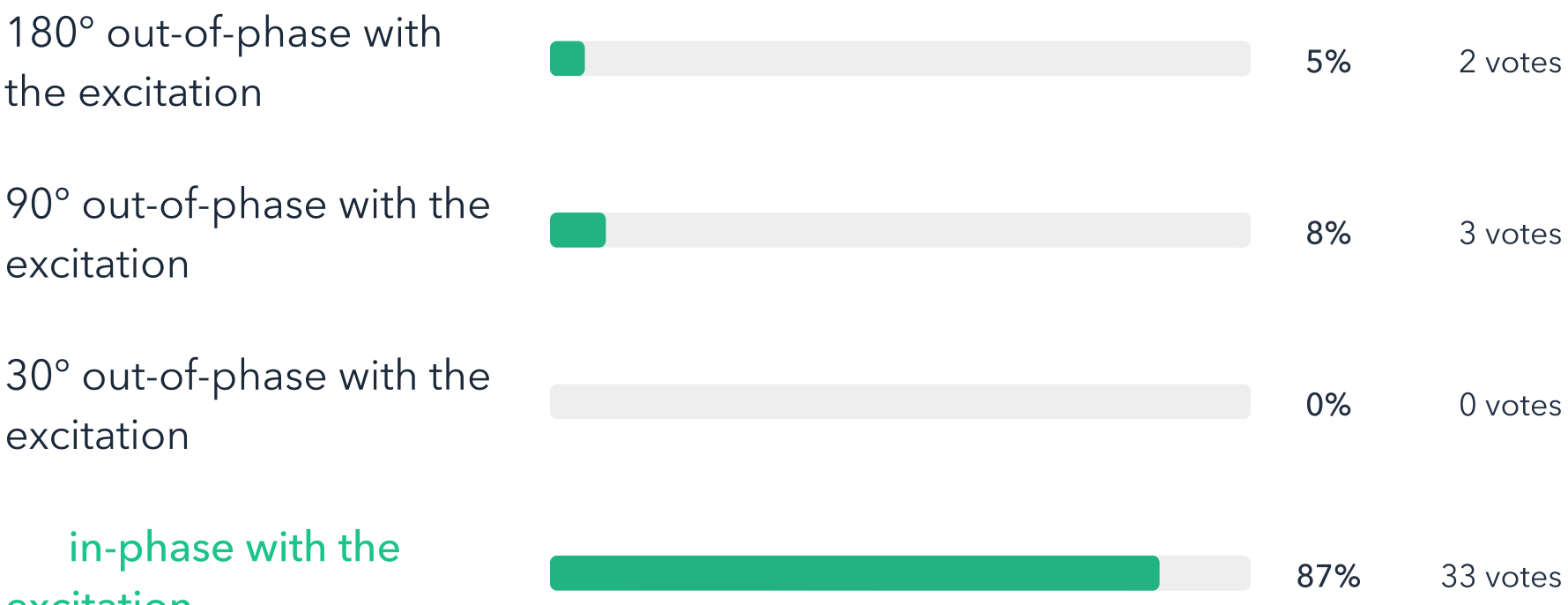
Vibrations in mechanical engineering are becoming more and more important because:



be sensitive to vibrations

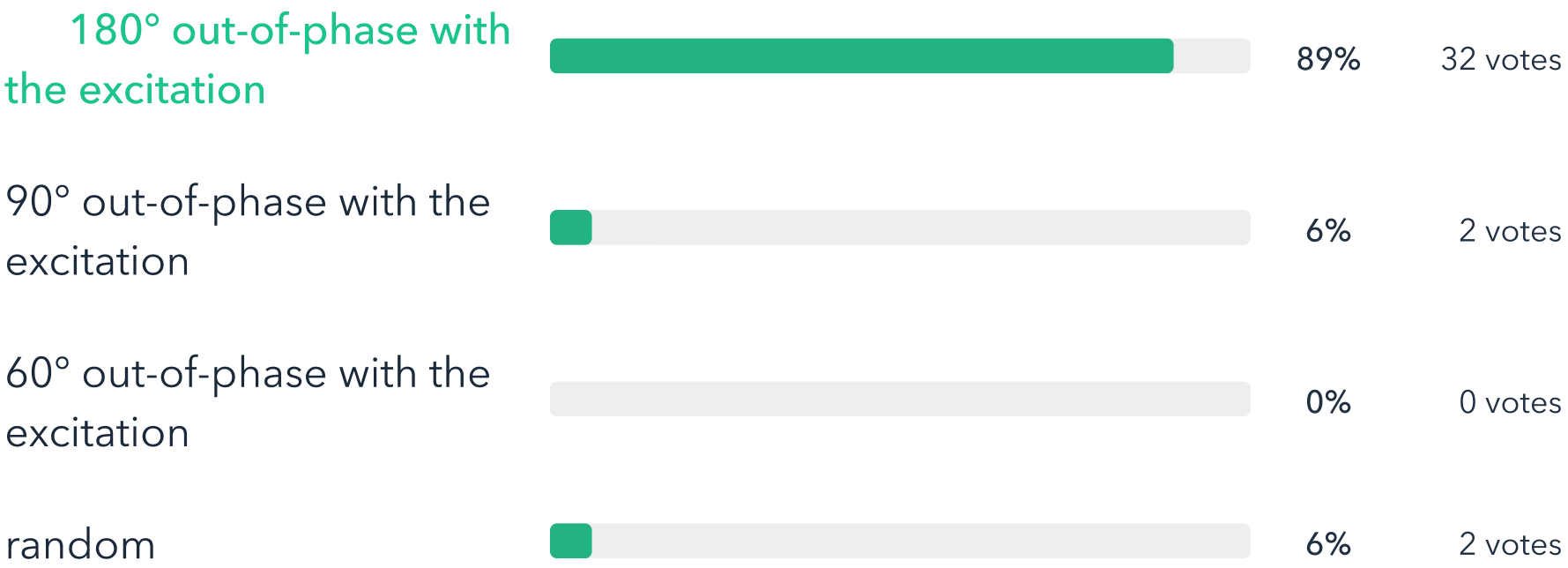
6

When excited at a frequency below the natural frequency of a mass-spring system, the motion of the mass is



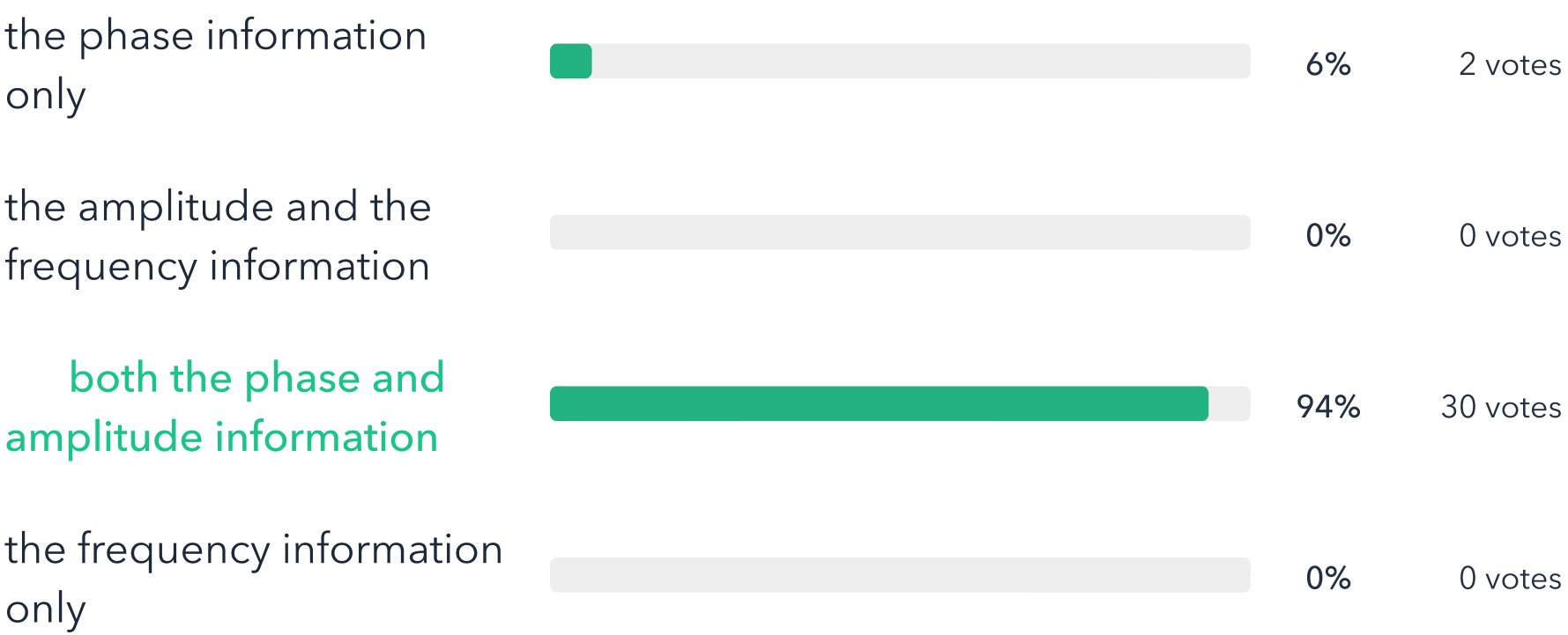
7

When excited at a frequency above the natural frequency of a mass-spring system, the motion of the mass is



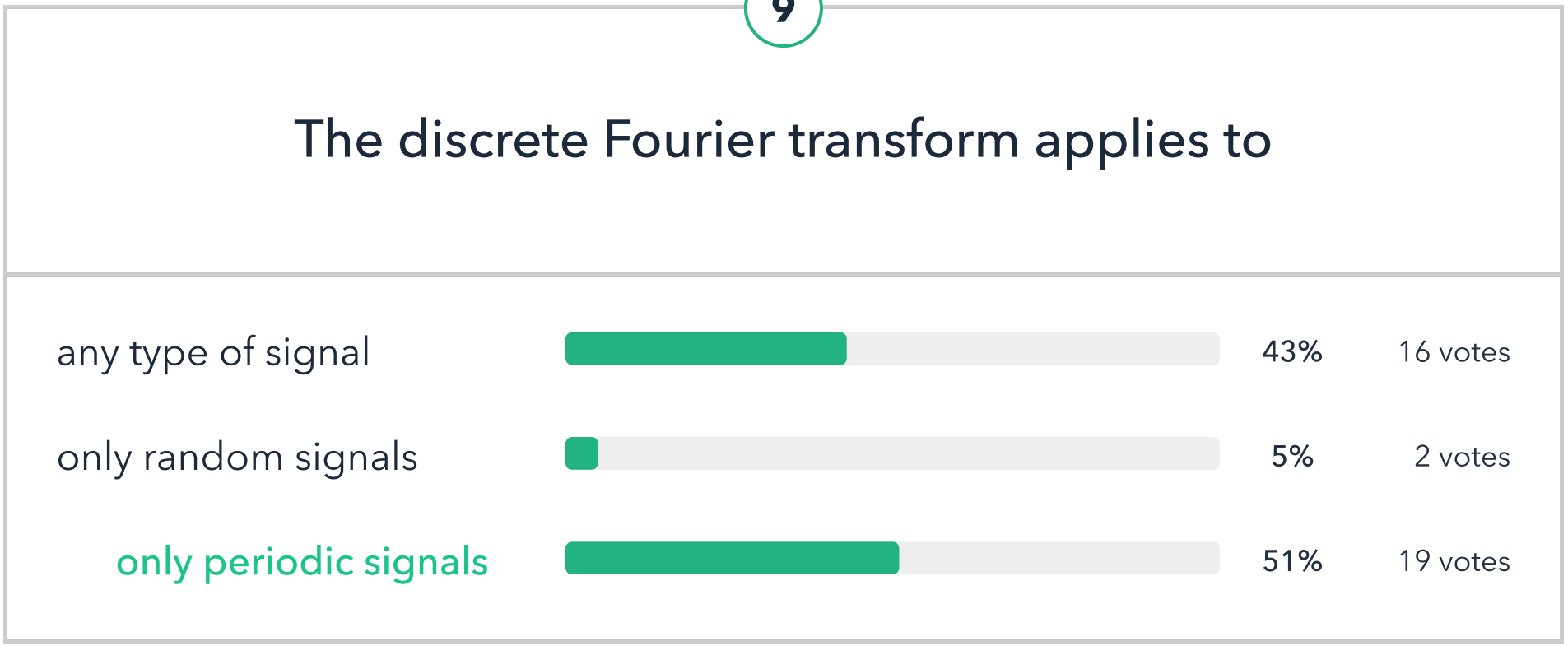
8

When describing a harmonic motion, the complex amplitude vector contains



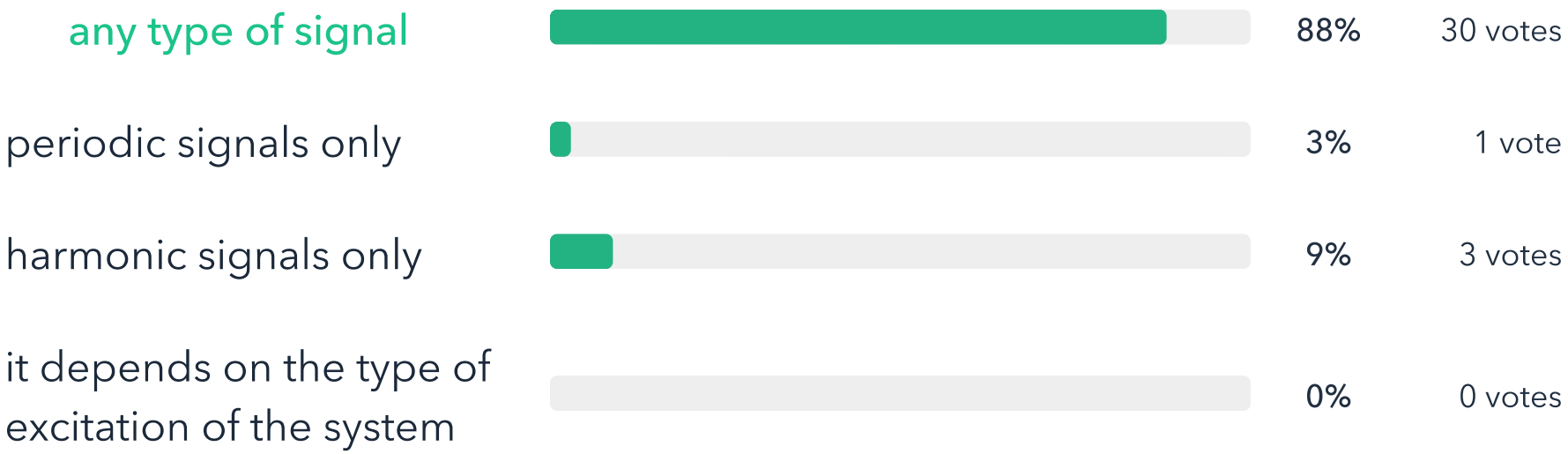
9

The discrete Fourier transform applies to



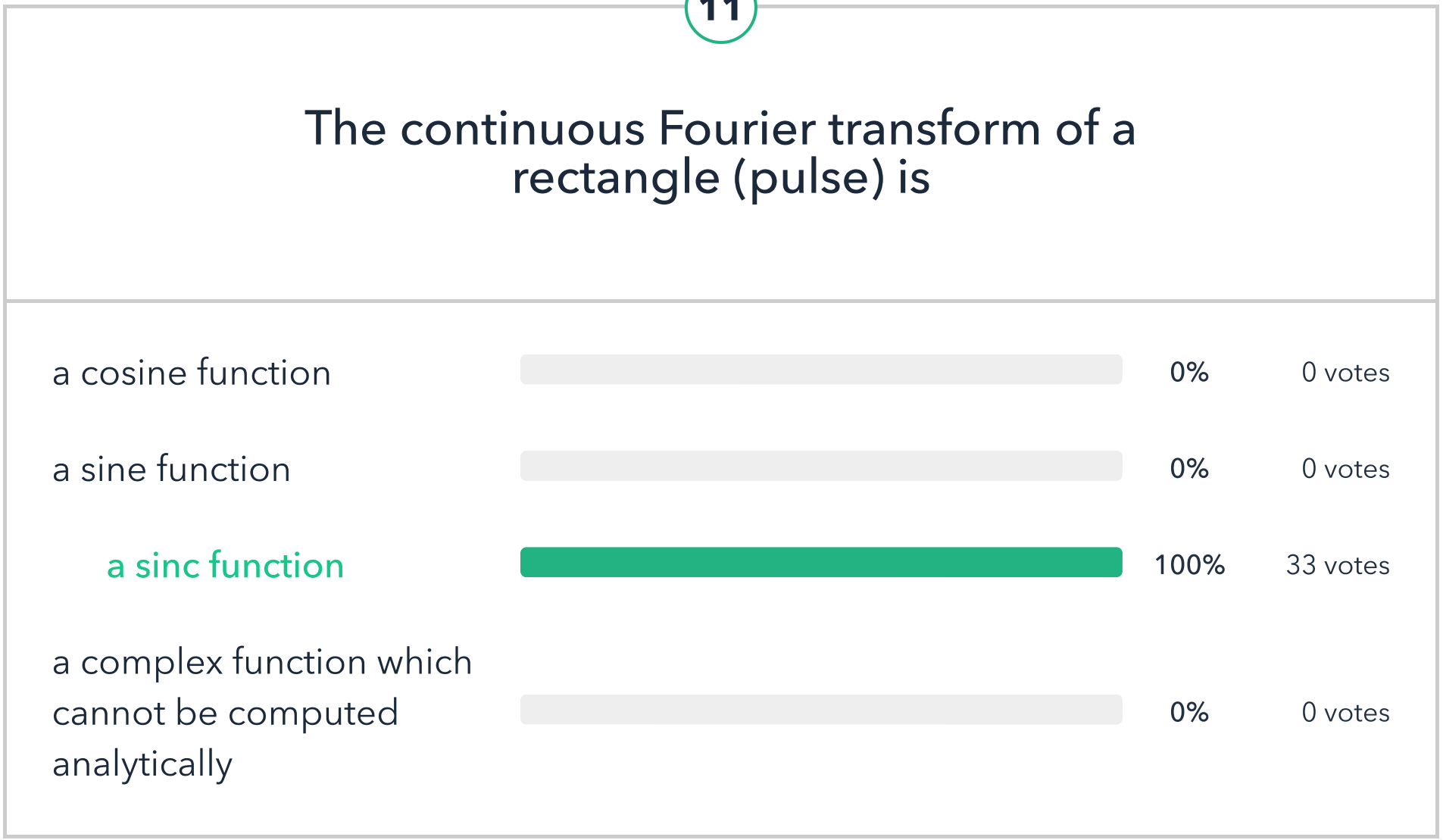
10

The continuous Fourier transform applies to



11

The continuous Fourier transform of a rectangle (pulse) is



12

Convolution in the time domain corresponds to