



Natural Frequency

$$\omega_n = \frac{1}{2\pi} \sqrt{\frac{k}{m}} \text{ Hz}$$

$$k: \frac{N}{m}$$

$$m: \text{kg}$$

three springs

1: $0.05 \frac{N}{m}$

2: $0.2 \frac{N}{m}$

3: $3 \frac{N}{m}$

two masses

1: 0.6 kg

2: 4 kg

write a Matlab script that lets a user select a spring and a mass and calculate the natural frequency.

