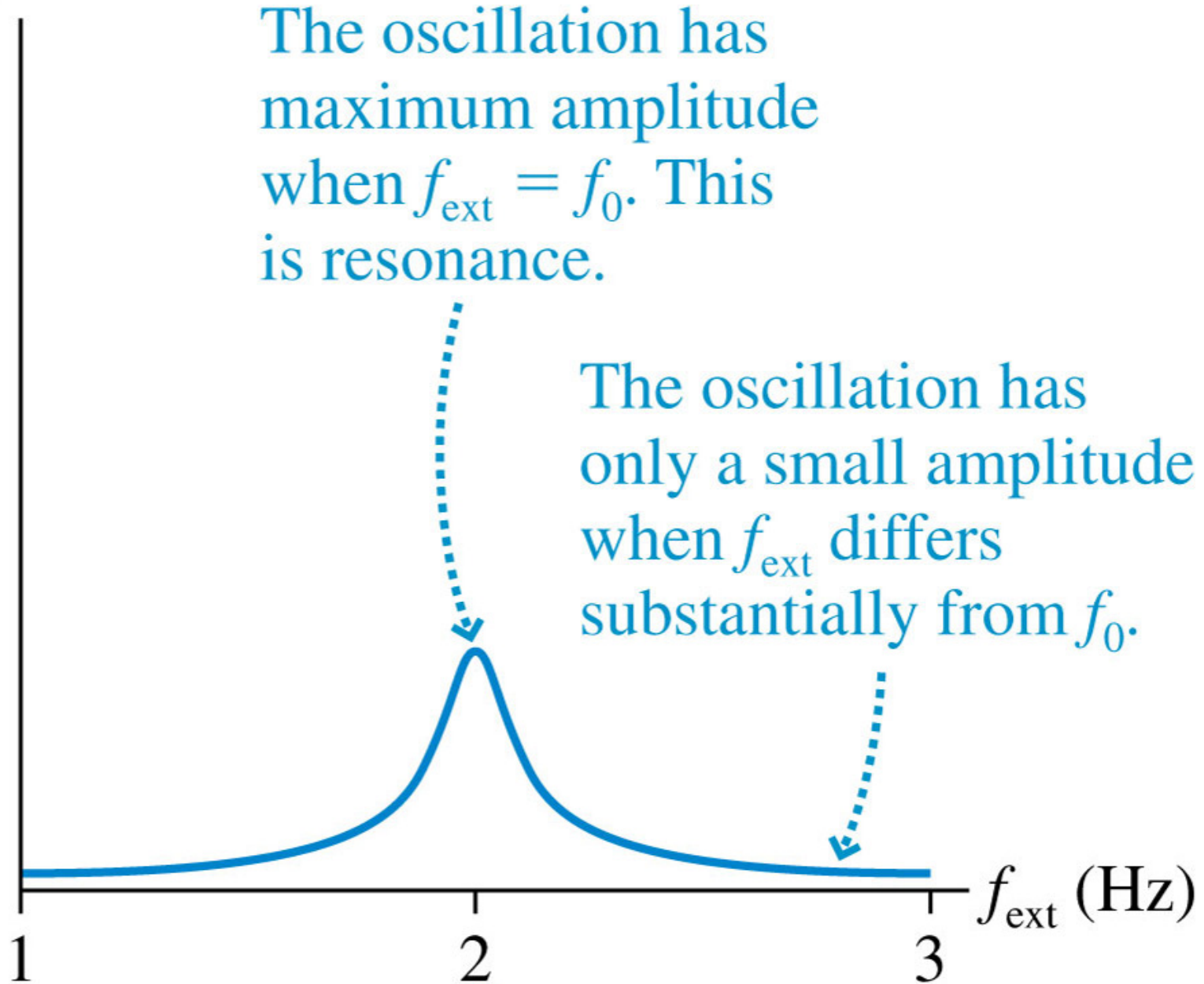


# Amplitude



The oscillation has maximum amplitude when  $f_{\text{ext}} = f_0$ . This is resonance.

The oscillation has only a small amplitude when  $f_{\text{ext}}$  differs substantially from  $f_0$ .

This is the natural frequency.