

- 14 Figure (a) below shows the variation with frequency f of the amplitude x_0 of the forced oscillation of a system. This system is then subjected to a periodic driving force F as shown in Figure (b).

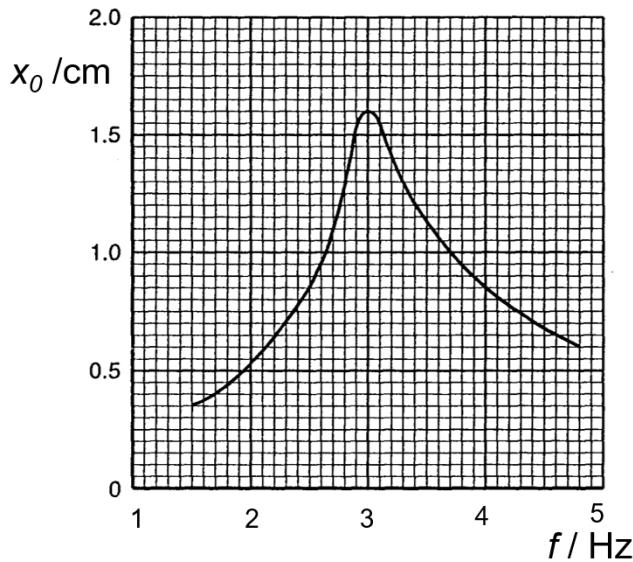


Figure (a)

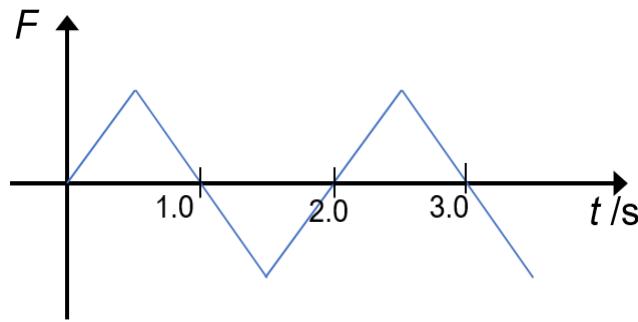


Figure (b)

What is the frequency that the system will oscillate at?

A 0.33 Hz

B 0.50 Hz

C 2.0 Hz

D 3.0 Hz