

- 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).

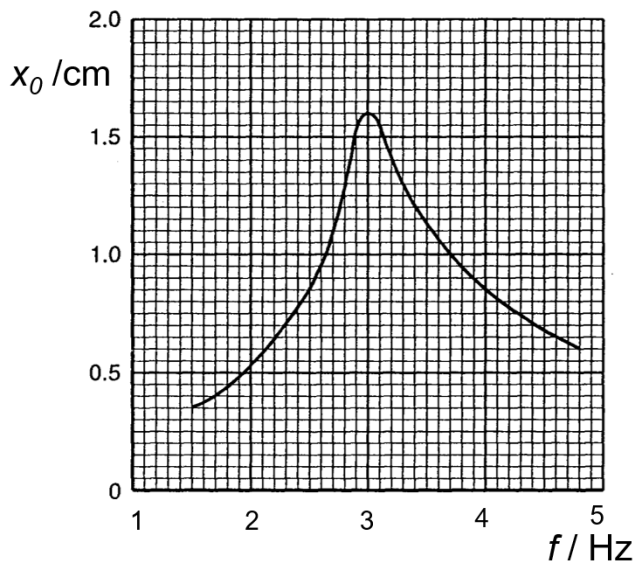


Figure (a)

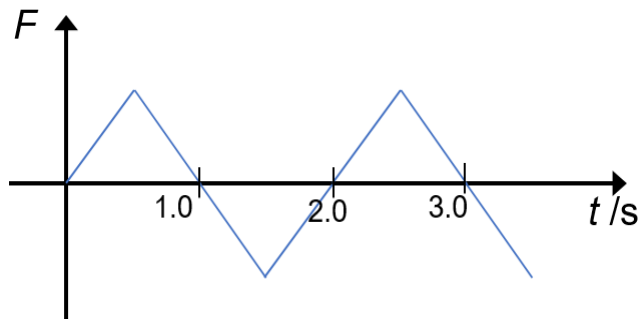


Figure (b)

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