

BMM3553: MECHANICAL VIBRATION

SEMESTER I-2017/2018

QUIZ 3

Q1 (10 MARKS)



The response of an under damped single degree of freedom system is shown in Figure 1. If the system consists of 1.5 kg of mass and 5 N/m spring stiffness, determine the damping coefficient of the system.

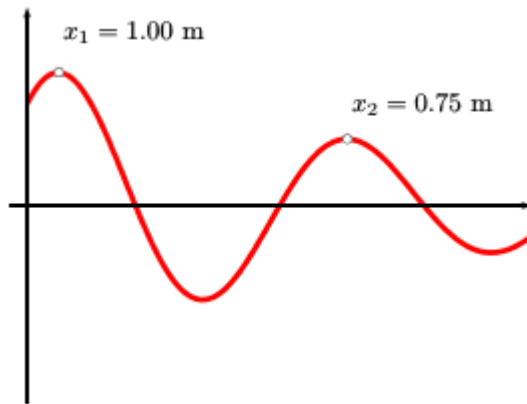


Figure 1