

Lecture 20 Homework

Problem 20.1

Problem 5.49 in Rao

Problem 20.2

Problem 9.53 in Rao

Assume the pipe is being force at its natural frequency. The first thing to do is determine the original mass and stiffness of the system and k_2 , then choose the new k_2 and m_2 of the absorber to satisfy the natural frequency requirement.