

A square frame is made up of 4 individual bars, each with length l=2m and mass m=2.6kg. The frame is pinned to the ceiling at a corner. A pair of springs in series, each with a spring constant k=162N/m, is attached to the left corner and a damper is installed on the right corner. Determine the damping constant that will make the system critically damped.

 $c_{critical} = Ns/m$

Solution:

