

A Mass-Spring-Damper system is tested to determine the value of the viscous damping coefficient c. Assume k=10 lb/ft and m=2 slug. The vibrational amplitude is observed to decrease to 33% of its initial value after two consecutive cycles. What is the value of the viscous damping coefficient c?

- a. 0.9376
- b. 0.8442
- c. 0.779
- d. 0.6538