

Spinning Washing Machine

A top-loading washing machine executes the spin cycle at **4 rotations per second**. The mass of the drum is **10 kg** and it has a diameter of **0.6 m**. The stiffness and damping coefficient of the mount are **379 N/m** and **37.7 N's/m** respectively. If the mass of the clothes is **5 kg**, what is the worst case possible for: • Vibration amplitude? • Transmitted force?

MAE 340 - Vibrations

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2



