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2. Pull the platform's release it to set the system in to natural vibration. 3. Find the platform time t_s frequency of vibration f by measuring time for some oscillation. 4. Repeat experiment by putting additional masses on weight platform. 5. Plot graph of $1/f^2$ vs. Formula: 1. Frequency of beam, $f_l = 1/2 \pi \sqrt{48EI/l^3 W}$ 2. Natural frequency

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