

Answer on Question #53382 - Physics - Kinematics – Dynamics

$$\omega_0 = 0; \quad \omega_1 = 200 \frac{\text{rev}}{\text{min}} \approx 2\pi * 3.33 \frac{\text{rad}}{\text{s}}; \quad \Delta t = 2.5 \text{ s.}$$

$$\beta = \frac{\Delta\omega}{\Delta t} = \frac{\omega_1 - \omega_0}{\Delta t} = 8.36 \frac{\text{rad}}{\text{s}^2}.$$

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