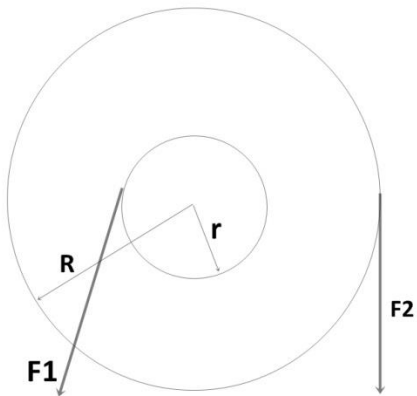


Answer on Question #43345, Physics, Other

Task: find the net torque on the wheel about the axis if $r=10\text{cm}$ and $R=25\text{cm}$

Solution:



τ – net torque, than $\tau = F_1 \cdot r - F_2 \cdot R = 0.1 \cdot F_1 - 0.25 \cdot F_2$

Answer: $\tau = 0.1 \cdot F_1 - 0.25 \cdot F_2$