

QUIZ # 7. Chapter 8. Rotational kinematics PHYS 203.

NAME:

1. A circular disk 0.20 m in diameter starts from rest and accelerates with constant angular acceleration to an angular velocity of 210 rad/s in 10.00 s. Find the angular acceleration and the angle which the disk has turned in degrees.

2. A wheel turns with constant angular acceleration 0.450 rad/s^2 . (a) How much time does it take to reach an angular velocity of 8 rad/s, starting from rest? (b) Through how many revolutions does the wheel turn in this time interval?