

Phys 2320 Spring 2023 Problem related to Workshop 14

Main topics: Moment of inertia, angular momentum

Knight 4th Edition Problem 12.45

How fast, in rpm, would a 5.0 kg, 22-cm-diameter bowling ball have to spin to have an angular momentum of $0.23 \text{ kg m}^2/\text{s}$? (Answer: 91 rpm)