

Act 2 Rotations



Puck on ice

- A puck slides in a circular path on a horizontal frictionless table. It is held at a constant radius by a string threaded through a frictionless hole at the center of the table. If you pull on the string such that the radius decreases by a factor of **2**, by what factor does the angular velocity of the puck increase?

(a) **2**

(b) **4**

(c) **8**

