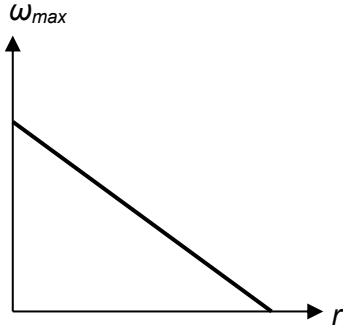


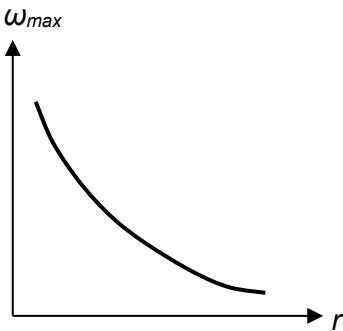
9

A coin is placed on a rough turntable at a distance r from the centre of the turntable. The largest possible angular velocity that the turntable can rotate without the coin sliding off is ω_{\max} . Which of the following graphs best represents the relation between ω_{\max} and r ?

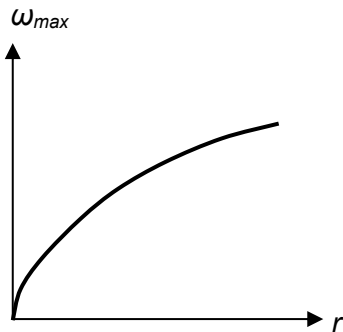
A



B



C



D

