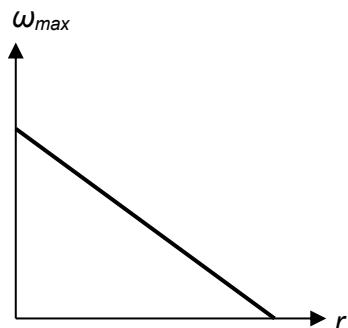
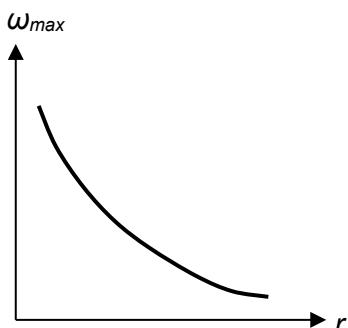
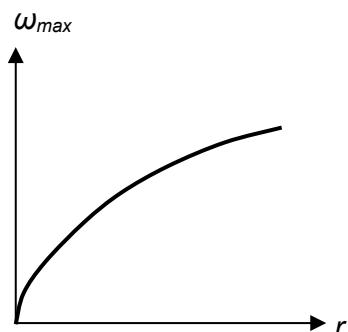


A coin is placed on a rough turntable at a distance r from the centre of the turntable. The largest possible angular velocity that the turntable can rotate without the coin sliding off is ω_{\max} . Which of the following graphs best represents the relation between ω_{\max} and r ?

A**B****C**

D

