

Lift of a Rotating Cylinder

L= p.G. V (165/Ft)

where p = gas density (slugs/cuft.)

G = 2 Tr.b. Vr = Voitex strength (sq.ft.lsee) ->b= radius of eytinder (ft) ->Vr = 2 Tr.b.s - s = spin (revs/see)

L= p. (2Tr. b(2Tr. b.s)). V responded

L= p. (4172625) · V

-simplified w/o