**Physics Formulas (2nd Semester, 2017-2018)**

s = r or ∆x = r v = r a = r

 = ot + ½t2 2 = o2 + 2(f – i)  = o + t

 = rF = I L = rp = rmv L = I Li = Lf Iii = Iff

KErot = ½I2 KEtrans = 1/2mv2  PEgrav = mgh PEi + KEi = PEf + KEf

F=qE

F=ma w = mg v = v0 + at v2 = v02 + 2a∆x

R = ρL/A    V=IR    P=VI    I=ΔQ/Δt

 v = f Vsound in air ≈331.3 + 0.6TC Vsound in air = d = vt

fo = fs v =  n1 sin 1 = n2 sin 2 c = sin-1(nr/ni)

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