

HOMEWORK #32 (M427K FALL 2004)

You are supposed to solve the mass on a spring (damped) being driven by an external force $F(t)$. The point is to solve it using the Laplace transform. Since this isn't a physics class, I'll just give you the differential equation:

1. $Mx''(t) + Cx'(t) + kx(t) = F(t)$

You may assume that $x(0) = x'(0) = 0$.