

Applied Numerical Methods With Matlab For Engineers And Scientists Solutions

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1.1 You are given the following differential equation with the initial condition, $v(t=0) = 0$, $v = 2$ m c g dt $dv = 3d$. Multiply both sides by m/cd. $gv^2 c m dt dv c m dd = ?$. Define $a = mg /cd$. $a2v2 dt dv c m d = ?$. Integrate by separation of variables, dt m c a v ? $dv = 3d 2 72$.

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