



Applying Laplace Tomostorm to -0 and -0 [MIS"+ bS+ (k,+ K12)] 4,187 = FIS) + KIZ 42(S) - 3 (M252+K12) 42(S) = K12 4,(S) Y2(S) = K12 MLS²+K12 Y1(S) - (1) Now, F(1) = 2 similat ... - (t) = a sin wot $F(S) = \frac{2 \times 10}{S^2 + 10^2}$ F(S) = 0000 for M, to not vibrate under steady state 4,(t)=0 =) 4,(s)=0 from eq@; 0 = 42(5). M25+ K12 =) M1252 + K12 =0 =) [K12 = - S2M2] =) K12 = - (jwo) M2 W0-10 = - (- wo-) M2 · . K12 = 100M2 . - 5). Substitute egg in egg.

M1 9541 + p 941 + K1A1 + 100W T(A1-A5) = E(A)

=) Midy, + 6041 + Kiy, + Mi woy 41 = F(+) + 100ML 42 Pot eg (5) in eg (5). M2042 + M100 M2 M2 = 100 MM1 There for Mz can act as a dynamic vibration absorber in the case when the Kiz=100Mz and the equation one shown below. Mid AI + 6 dy + KIXI + MIOO M Z41 = 108ia 25in 10t and.

M2d242 + #2100 M242 = 100 M2 Y1.