Ex 8.2 Initial p245 X Final a) Impulse, J= Ap= pex - pix Occurs in x-dil = 0, PEX = mVEX Pix = mVix Jx = m (Vxx - Vix) = 10.40 kg) (20ms-1-(-30ms-1)) Jx = 20 Ns (4g ms =) by Impulse, Jx = Fx St $F_s = \frac{J_s}{\Delta t} = \frac{20N_s}{0.010s}$ F. = 2000 N

