So he magnitude of the difference of velocities is he same. is the same as speed of squarkion. 42 because speed of approach collision 46.75024 - M. ((5.2).9.8)(1.85) [M. = 0.495887 Impolse: for Fordt = Fang At 8p = p, 1p = m, v, - m2 v2 = (3.5)66-3) 10 = 22.05 2 m/s 5/m 46.5. 5.0.14.8. 6. g. cm, m) , b. N , b. N , b. J. E. D. 7 = 2000 collisions + my force VII Y -3.4 - 0.53 - -3.93 -2 3.93 -0.53 :4.46 2. An impulse causes a change in momentum the same as the speed of the object after System Collisions Implev = 4.24038 1. Rak of approach : rate of separation 01-1-85m V1-6-3 mys 1.729 22.05= 5.265.V V:4.21 LE=5.2. VZ: 46. 15024 J Elanic adlisions HW m2-91 kg E, in Cut frame. 4-0.53 = 3.47 m/s Lecture 14. More elastic 12.0 (103 X4) + (91)(-34) × 0.53ms AP = Fang At After elustic, Flipped Forces m, 103 kg 900 22.05= 1170 7. Ve in Orig PMZ to per pt - 62 Fot mat 5 1-213V Big ideas 5 Vf2 5. N. 2 江

VI, in Ch. 2.1 -0-696 = 1.204 " V2, "m cm. 0-0.896 = -0.896 3.5145 "my Viscosons more coop 2 my va = 2 mw va = 2 mb ver com www.sinow-mavesinoo Sp. Pug + Pag = puyy Puxy - Paye - Parg = MW V 605 Qu + mb V 605 Ob 2.89 - V. COS 680 = V. 500 5220 Just Rup sign. 30 Eq = 2 4 527(1.08)2 + 2 (1.32)(2.673)2 48= V2 -2.1652261144 . 5-352099 0= V2 -2.165261144 . 1.7205 8-3521 = VZJE+ 9.715 - 251864+ 0.1632344 089 M 00: 120 0: 1.08.1.32 sin680 - Vbg.11.32 sin 220 M2 -4.369 2 8.3521 : 12 + (2.89-12 00 2680) 2 CAMON-0-6911-8). 371 = 1258-8 5 - 1,6 = (-1.20 y m/5 1.085 mbs = 2.673 ms = 2.89. 1.32.3.8146 kg m/s 3.8148 Kg m/s M=1.32 kg My=1.32 kg 90220 3-2-2.1 + 4.3.0 - 0.896 m/s m1.2.21/4 672-8.1m Vig in CM Crame=? m w 2 - m v 2 - m v 2 - m v b 2 - m v b 2 - m v v 2 - m v b 2 - m v v 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m v b 2 - m Cun Growe 319220 80 03 1. Vwf:2:89.1.32= 7.180048= 23 · Jan PA Po ≥ 0 0 V=2.89 m/s Vem " 710 ÷ لى