1) Underwanding of COM F (in) only translation motion ing: (OM depends on external forces only but not interest forces @ (OM of multiple system: -> Sum of momenta of maner of the water 1(OM = my/11/2m +myr3 of particles about m1+m2+m3 contre of man is you KOM = mix+ mx + m3 x3 2 mi 71 20 (3) (OM of two posticle system: Xcom = m11+m212 if com in taken as disgin then m1x1= m2x5 4) COM of continuous man distribution! (5) (OM of uniform (OM of combined stewdresse; Vasiable man Vy = relative volucity V. a-gt + y In (mo) My sexhaut gares relocity mo : Initial man of swocket m - man of seachestat time t.

Centere of Man