David w. Hogg David W. Hogg http://cosmo.nyu.edu/hogg/gp1/ position, velocity, acceleration

bucket I how long duer

(rew seconds:) to fall? g e me

-mass, density, contents? spin?

-height

-initial conditions.

-acceleration due to grawly \$\overline{\text{P}} = 12m

time \(\frac{h}{|\overline{\text{P}}|} \) all the "two-re-" t= () or units. what can matter?

dinarianters (12)

air resistance what matters? -surface area of bucket cross-sectional - wind speed (and falling speed) - air - humidily, T, P. density p. matters for "large" things -> matters for Viscosity? -" Finall "Hings.