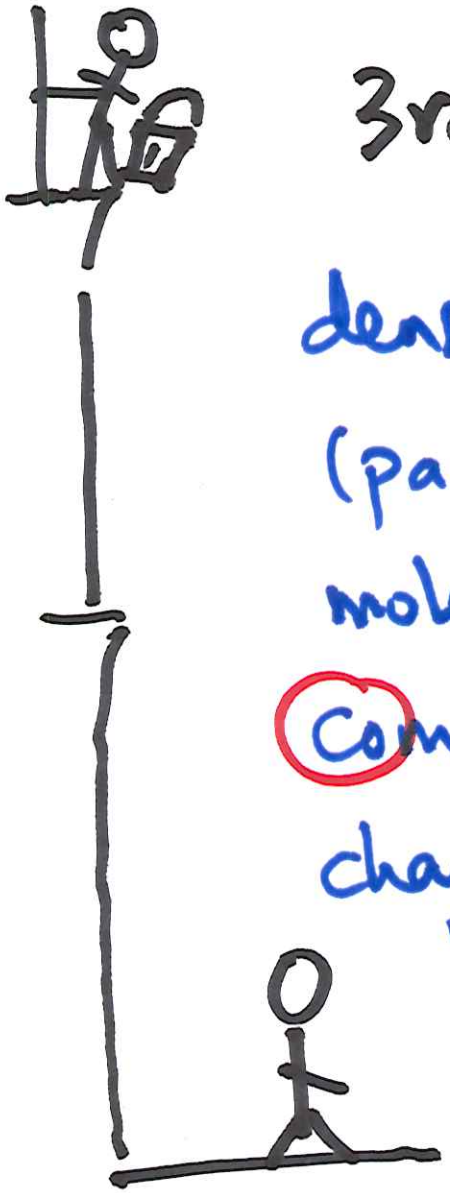
2018-09-04 (ISO 8601)

NYU Physics I



3rd story.

mass / weight

density of air

initial conditions

(path obstacles)

area

molecules ...?

height / position

composition

elevation / geo pos.

wind

charge &

magnetization

bucket - contents

mechanics.

gravity, locally $\vec{g}$ ↓ $9.8\ m\,s^{-2}$

(vector) — dot product
(add + subt.

SI units

~~kg/s²~~

kg m s

- "only" gravity
- m g h
- time?

$\left[\frac{g}{h}\right] = \frac{1}{s^2}$ $\left[\frac{h}{g}\right] = s^2$

time = ☹ $\sqrt{\frac{h}{g}}$

$\sqrt{\frac{h}{g}} = s$

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~~http://a~~

http://cosmo.nyu.edu/hogg/physics1/