

# NYU Physics I - 2016-09-22

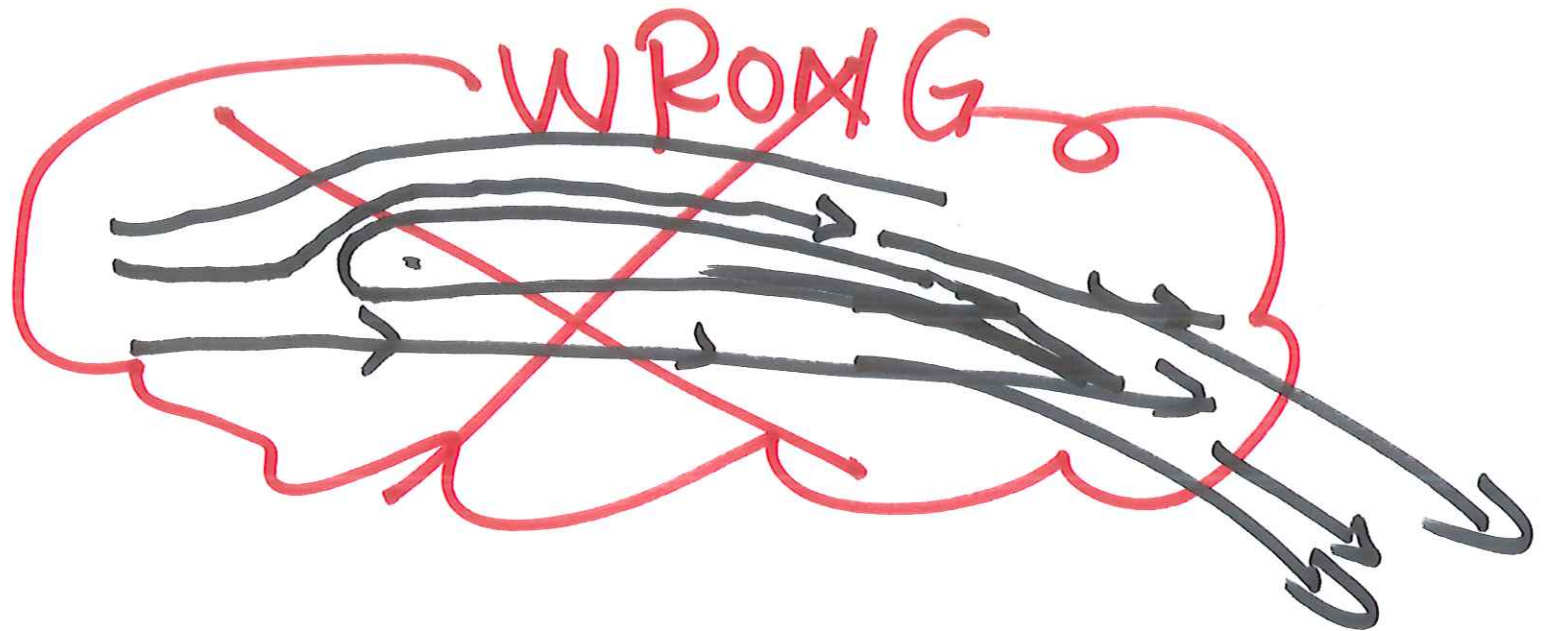
Agenda: - Qs.

- banked turns.

- Exam 1.

$$\vec{F} = m\vec{a} \quad \checkmark$$

$$\vec{F} - m\vec{a} = \vec{0} \quad \times$$



above

trajectory.

perfect ice

car

$N$

$mg$

plane

$N_{wings}$

$mg$

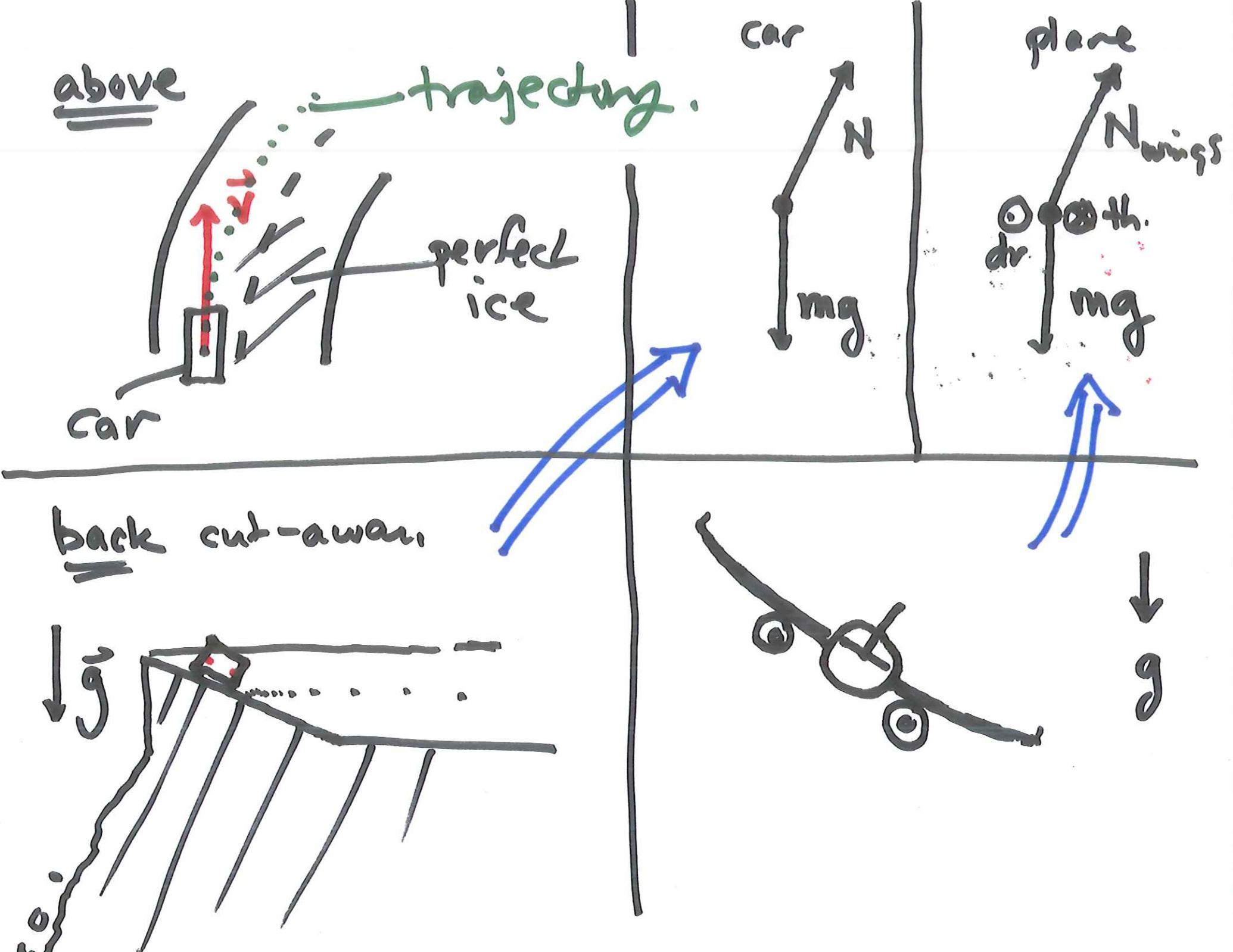
dr. th.

car

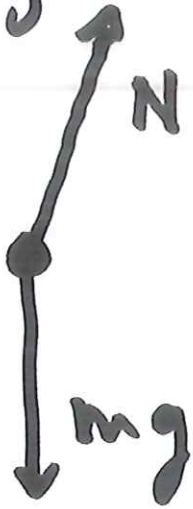
back cut-away

$g$

$g$



Two days ago...



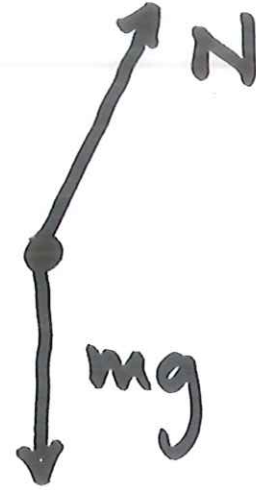
kinematic fact

$\vec{a} \parallel \text{plane}$

$\vec{a} \perp \vec{N}$



today!



kinematic fact

$\vec{a} \perp \vec{g}$

$\vec{a} \parallel \text{grand.}$

