

NYU Physics I

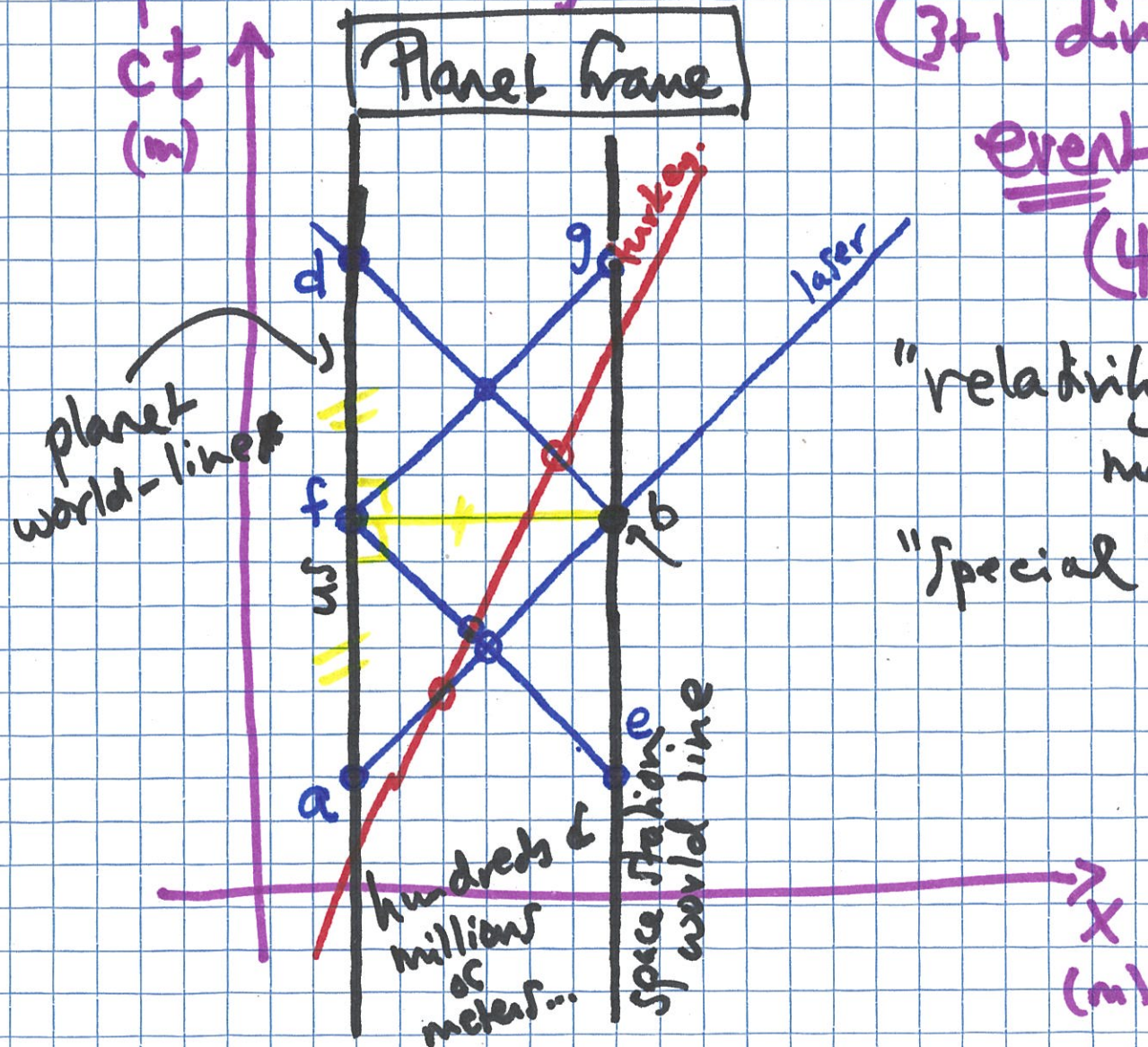
2017-11-28.

- Agenda:
- <http://cosmo.nyu.edu/hogg/sr/> — chs 2,3
 - Reading. — interval Lorentz transformation
spacetime spacetime diagram.
event.
 - Questions.
 - Geometry of spacetime.

Spacetime diagram —

1+1 dimensional
(3+1 dimensional)

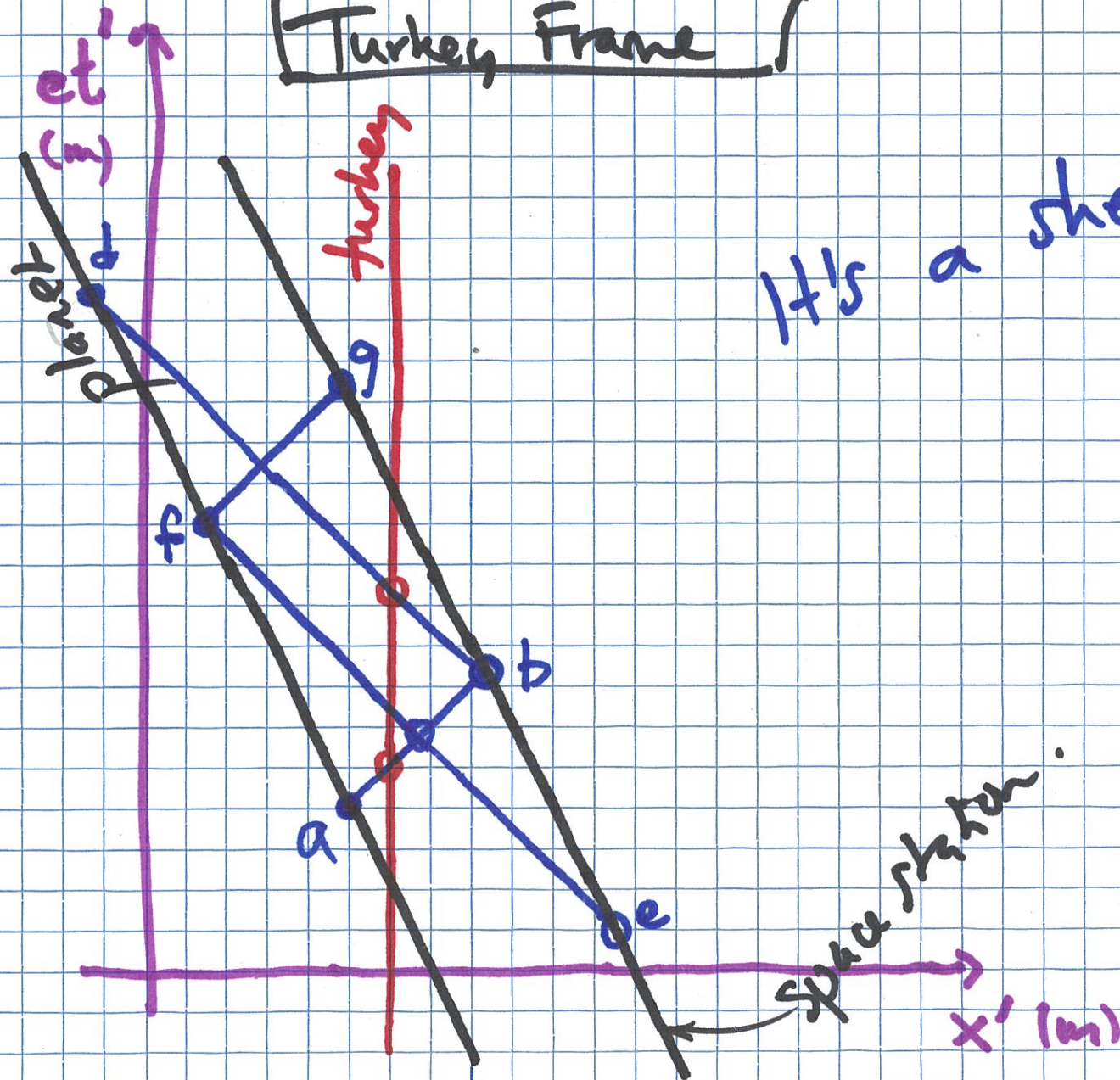
Event: (position, time)
(4-vector)



"relativity": only relative velocities matter.

"special": no gravity
"no accelerations"

Turkey Frame



It's a shear!