

Brakes



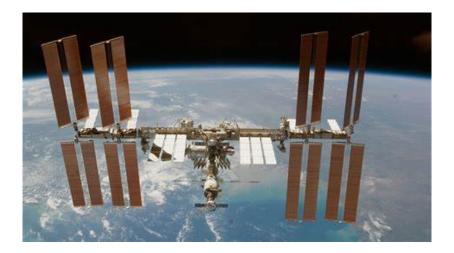
We're not on the Autobahn. You have to break to deaccelerate.

Radiators

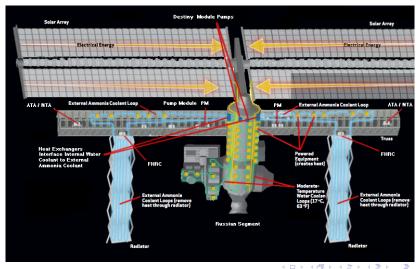


Interstellar spaceships don't need to be aerodynamic or compact. But their engines need to have significant size and mass.

Radiators



Radiators



Solar Sail



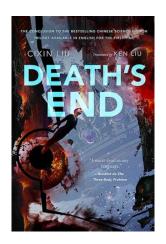
IKAROS 2010



Solar Sail



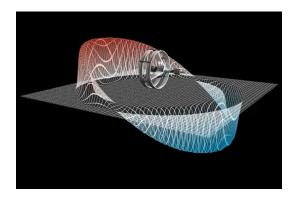
Solar Sail



Liu Cixin's Death's End



Alcubierre metric



Expands spacetime behind ship Contracts spacetime in front of ship



Thanks for your attention! :-)

Questions?

