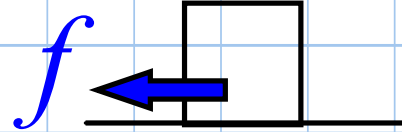


FRICION FORCE

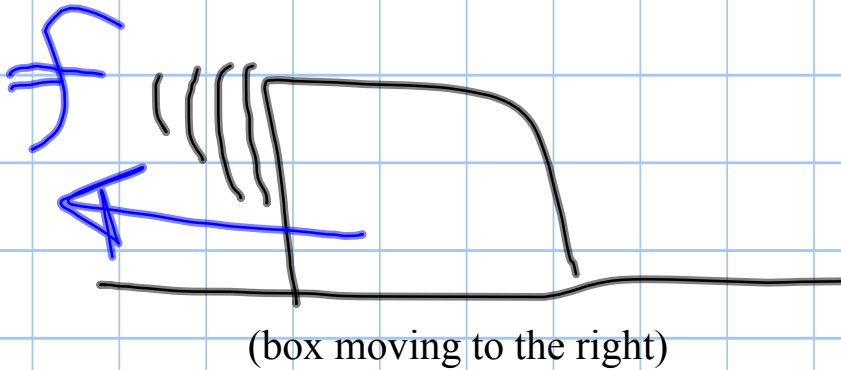


**Another force from surfaces
but PARALLEL to the surface**

Two kinds!

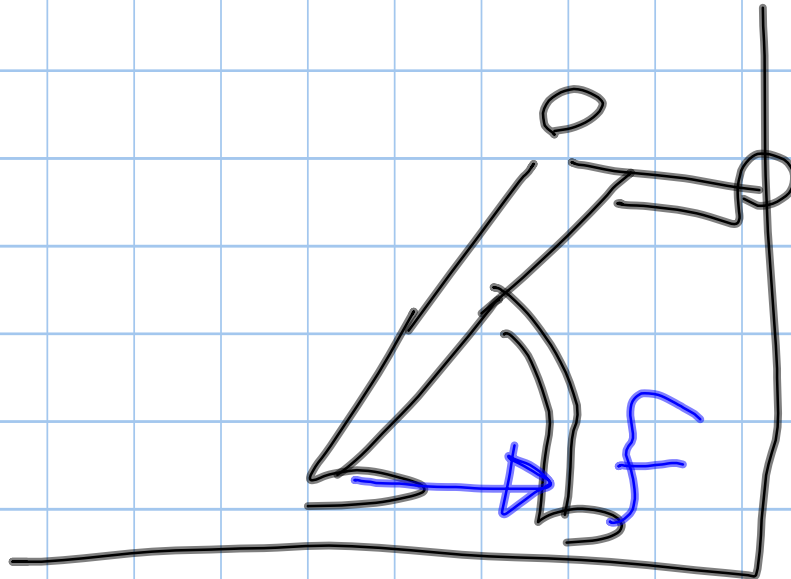
- kinetic (moving) friction: drag
at a constant rate)**
- static (stationary) friction: pull
until it just starts to move**

Which way does KINETIC friction go?



KINETIC friction opposes motion

Which way does **STATIC** friction go?



static - use your imagination

- **which way would it SLIP if there were no friction?**
- **STATIC FRICTION OPPOSES THE SLIP.**