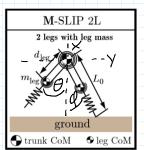
## 2-legged dynamics of a walking gait



1) No flight-phase

2) Two alternating modes!

· Stance of leg 1 and retruction of leg 2 · Stance of leg 2 and retraction of leg 1

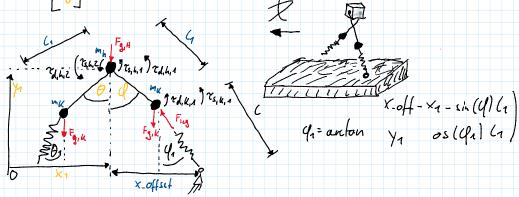
3) Symmetric motion in both modes

\* same dynamics with switched coordinates (4,0,4,0,4,0) 4) As the retracting leg strikes the ground the standing leg lifts of S) Actuation: leg retraction of non-stance leg

6) No movement in have of retracting lea -> no damping 1stiffnes

7) Spring-Damping of retracting leg does not affect stance-leg

-o 4 unknown -> 4 eqn. needed



On= const - 06