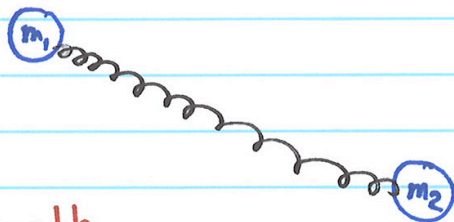


Lagrangian Mechanics

"Springs" in Free Space



Free to move
and rotate in 3D

Assume $l=0$
zero equilibrium length

- How many degrees of freedom?
- Write down T and U in terms of \vec{r}_1, \vec{r}_2 .
- Choose generalized coordinates
- Write down Lagrangian
- Equations of Motion