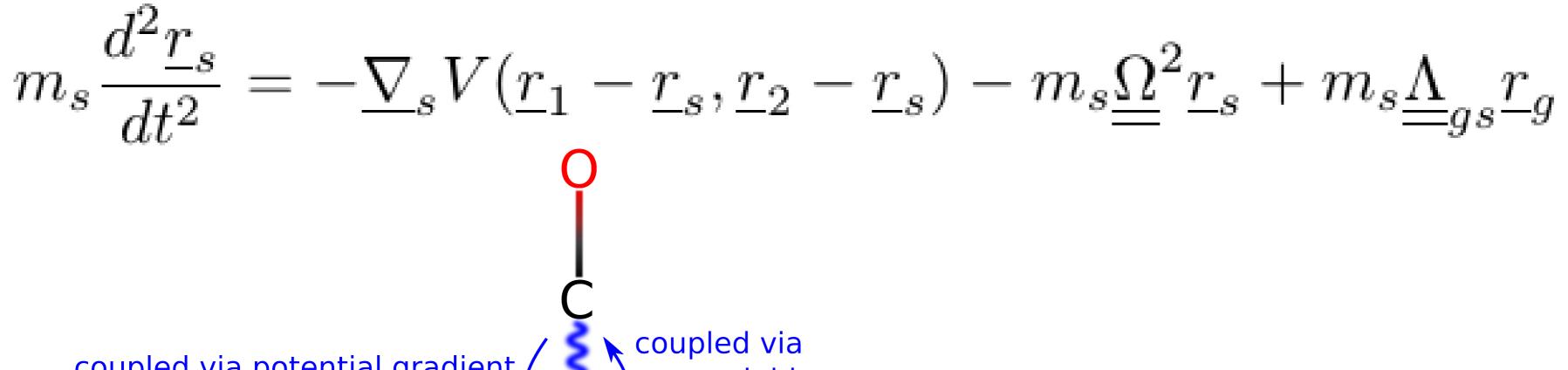
## More details on models and methods

## Construction of the PES

Some Text

## Details of the GLO



coupled via potential gradient (i.e. collisions "nudge" surface)

space-rigid potential shift

Surface oscillator

coupled by matrix  $\underline{\underline{\Lambda}}_{gs}$ 

## **Ghost oscillator**

slowed by friction force random forces  $\underline{R}_{\rm ph}(T_{\rm ph})$  (fluctuation) (fluctuation)  $T_{\rm ph}$  (represents bulk)