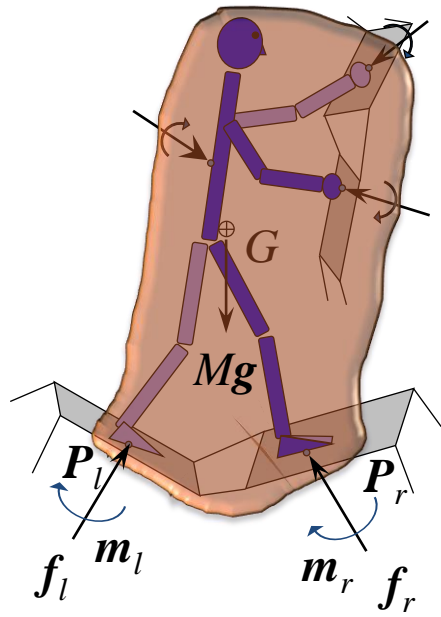
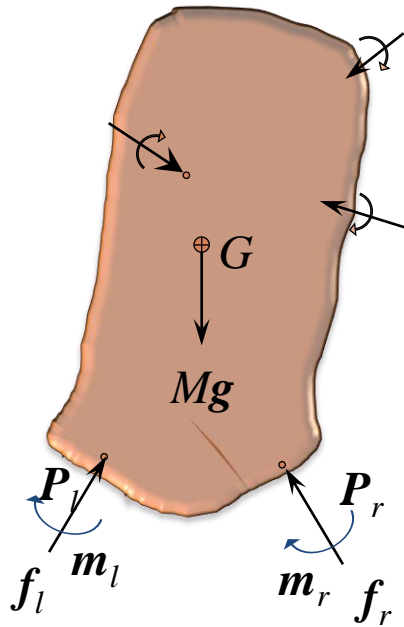


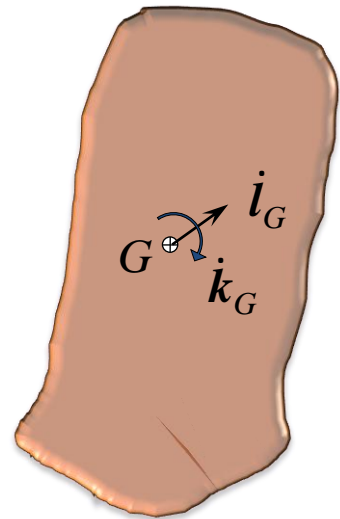
(a)



(b)

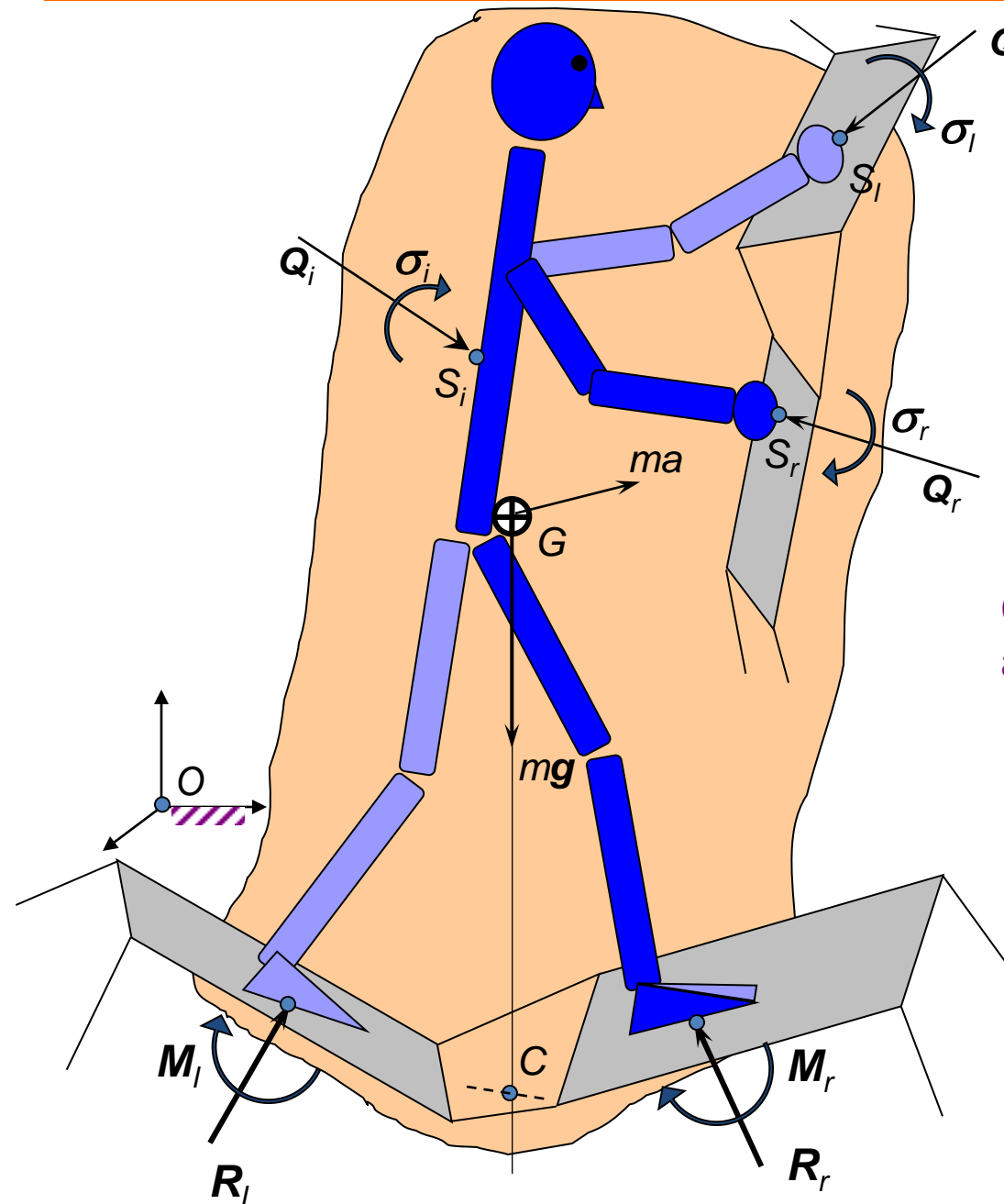


(c)



(d)

General interaction scenario between robot and environment



Consider the entire system
as a whole, and ...

