I_t: torso vertical impact
O_H: hip oscillation
ω: leg rotational velocity in sagittal plane
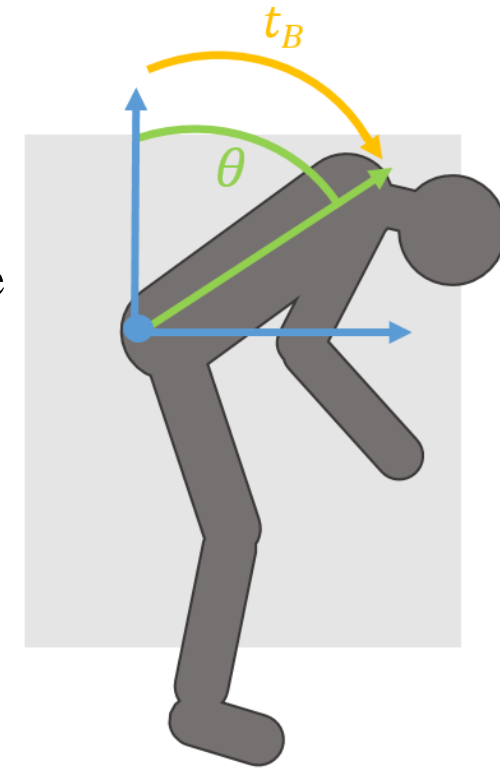φ: leg rotational oscillation
O_F: foot oscillation
D: step length
H: leg raise
t_S: step time
t_{FC}: foot contact time

θ: back bent angle
t_B: time bent