























Control in the task space	
PD Control in the task space:	
Stabilizing controller $F = \widetilde{G}(q) - K_v \dot{x} - K_p (x - x_d)$	
Tracking Control in the task space:	
Tracking error $e = x - x_d$	
Tracking controller $F = \widetilde{M}(q) \left(\dot{x}_d - K_v \dot{e} - K_p e \right) + \widetilde{C}(q, \dot{q}) \dot{q} + \widetilde{G}(q)$	
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