

Example of moveTo task definition

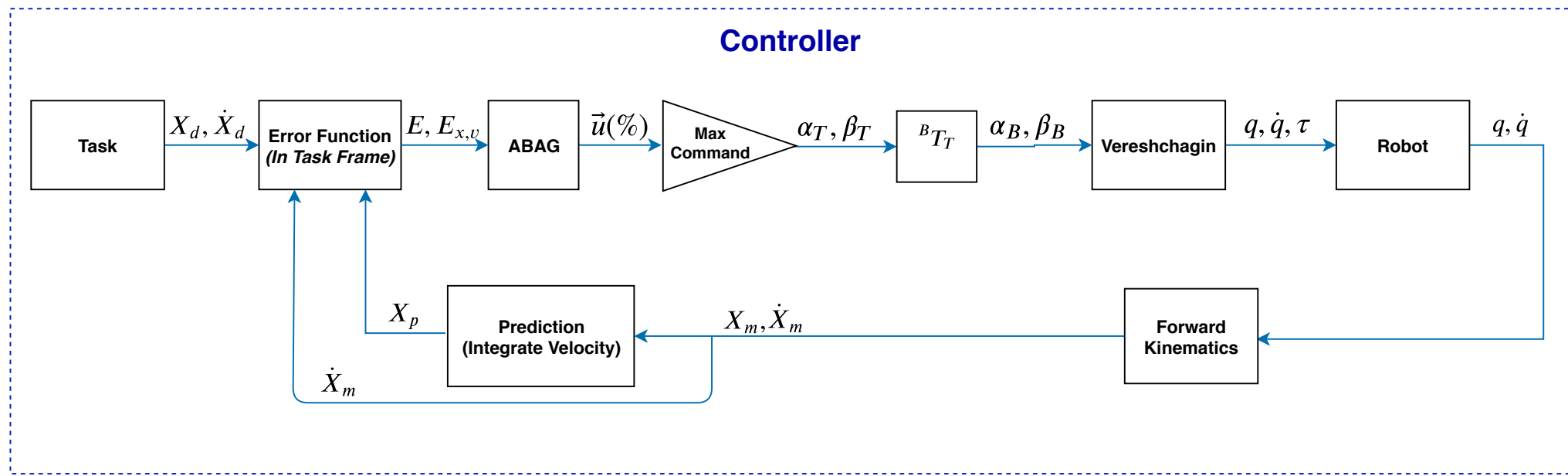
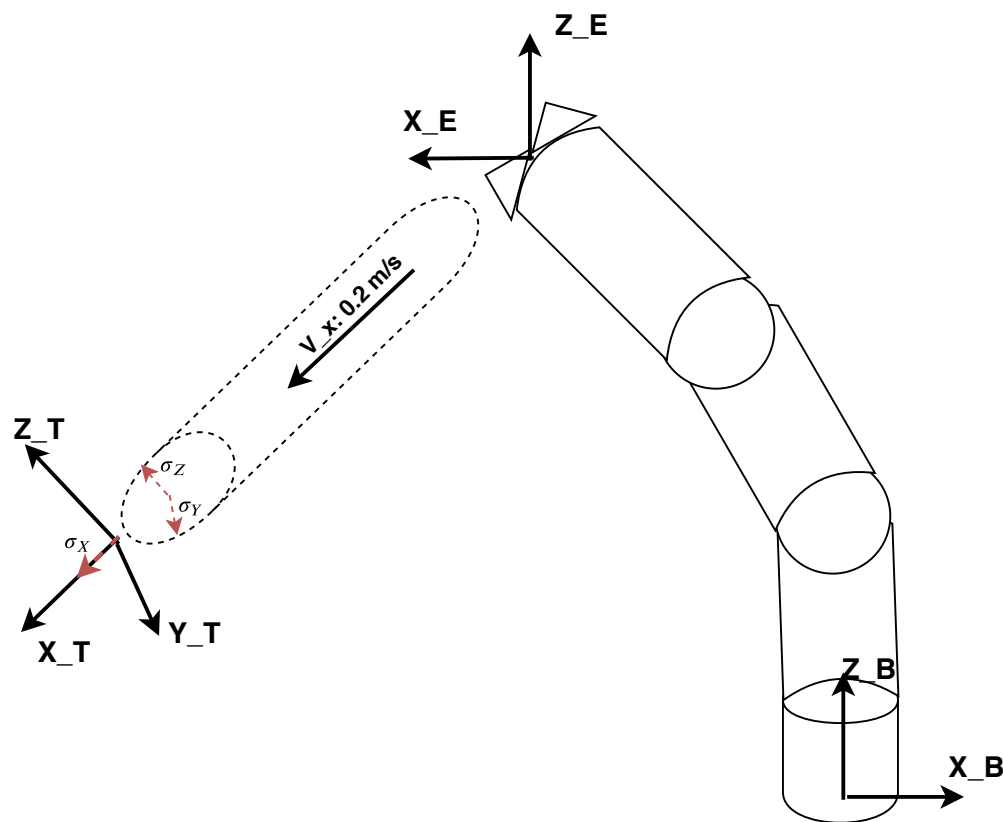
move compliantly { // with task frame directions

* X_T: velocity motion profile, tube 0.01 m/s
* Y_T: position tube 0.03 m
* Z_T: position tube 0.03 m
* aX_T:
* aY_T:
* aZ_T: } no specification / orientation tube 10 deg

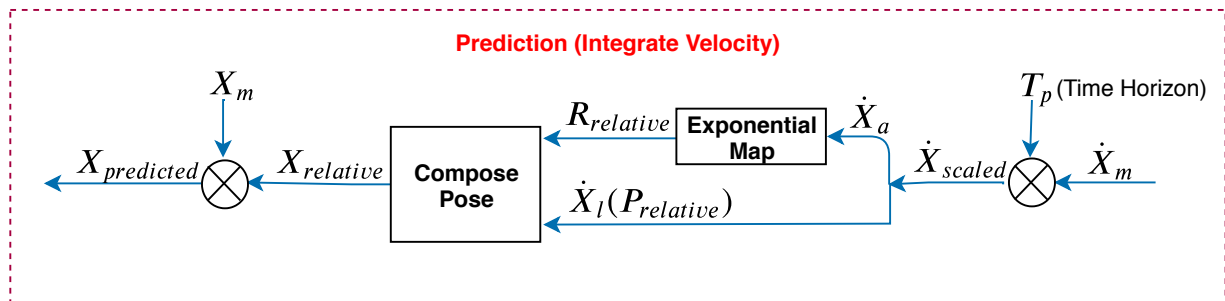
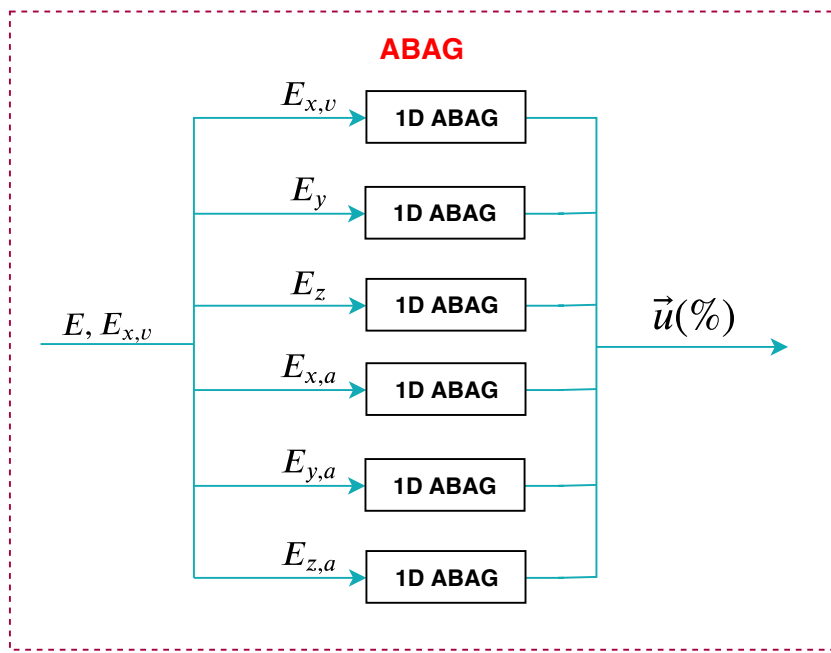
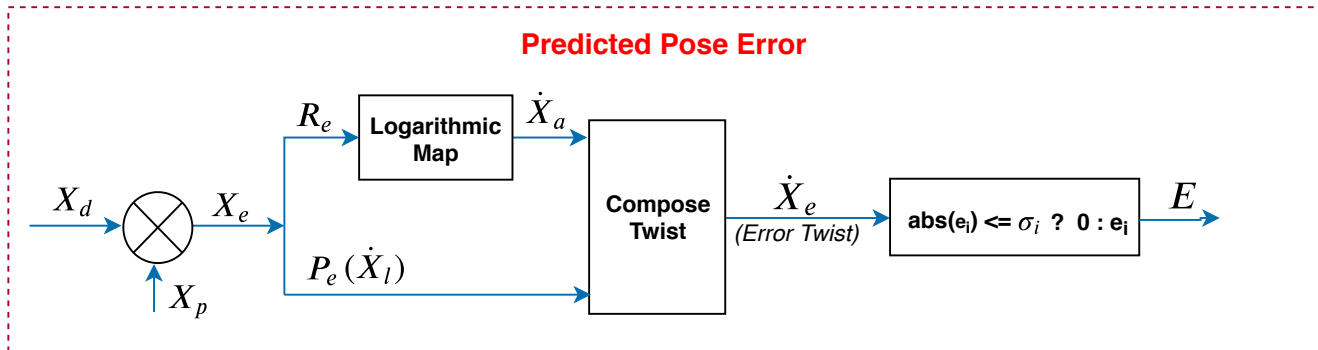
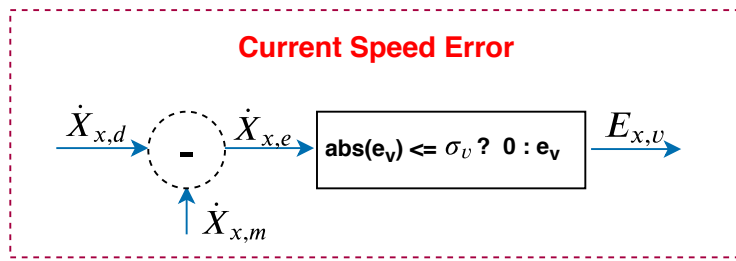
Objective (Error)
function

} until: * goal area reached, tolerance 0.03 m
* F_x/F_y/F_z > 0.5 N
* time > 20 sec

Monitors
(FSM)



Error Function (In Task Frame)



Example of moveTo task definition for path following

move compliantly { // with task frame directions

* X_T: velocity motion profile (path, time to complete), tube 0.01 m/s
* Y_T: position tube 0.03 m
* Z_T: position tube 0.03 m
* aX_T:
* aY_T:
* aZ_T: } no specification / orientation tube 10 deg

Objective (Error)
function

} until: * goal area reached, tolerance 0.03 m
* F_x/F_y/F_z > 0.5 N
* time > 20 sec

Monitors
(FSM)

FSM For moveTo path following task

