Controller and results for ovsershoot

Cube configurations

Xsc\_initial = [1, 0, 0, 1; 0, 1, 0, 0; 0, 0, 1, 0; 0, 0, 0, 1]; % initial value of scene 6

Xsc\_fianl = [0, 1, 0, 0; -1, 0, 0, -1; 0, 0, 1, 0; 0, 0, 0, 1]; % initial value of scene 6

Controller type: feedforward-plus-PI

Kp = 2\*eye(6,6); % test, overshoot

Ki = 1.2\*eye(6,6); % test, overshoot

Friendly reminder

Please make sure the variables a = 2, Num\_Configurations = 2000 are set at exact number, thank you.

Results

