

Controller and results for overshoot

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

