

List of Figures

4.1	State Control of the System under the effect of zonal harmonic J_2 . .	70
4.2	Steering Control of the System under the effect of zonal harmonic J_2	71
4.3	State Control of the System under the effect of zonal harmonic J_2 . .	74
4.4	Steering Control of the System under the effect of zonal harmonic J_2	75
5.1	System without control Data: $\bar{r}_0 = (0, -5888.9727, -3400), \bar{v}_0 = (7, 0, 0), R = 6378.1363,$ $a = \bar{r}_0 , \mu = G * M, J_2 = 1082.63 \times 10^{-6},$ Time Span: 540000 sec. . .	81
5.2	Trajectory	86