

Following are the results of uncontrolled simulation of satellite for different cases.

- po stands for satellite in circular orbit passing through the poles.
- sso stands for sun synchronous orbit in which we have given TLE of Pratham as an input.
- Identity means moment of Inertia of satellite is identity matrix.
- Advitiy means moment of Inertia of satellite is of Advitiy (as obtained from SolidWorks model)
- dist means simulation is done with disturbance torque.
- no-dist means simulation is done without disturbance torque.

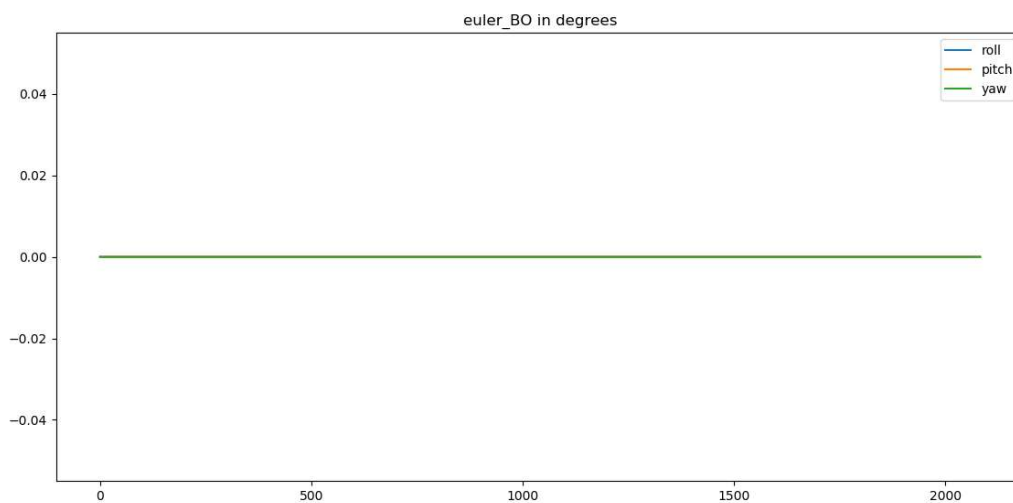


Figure 1: po-identity-no-dist-eulerangles

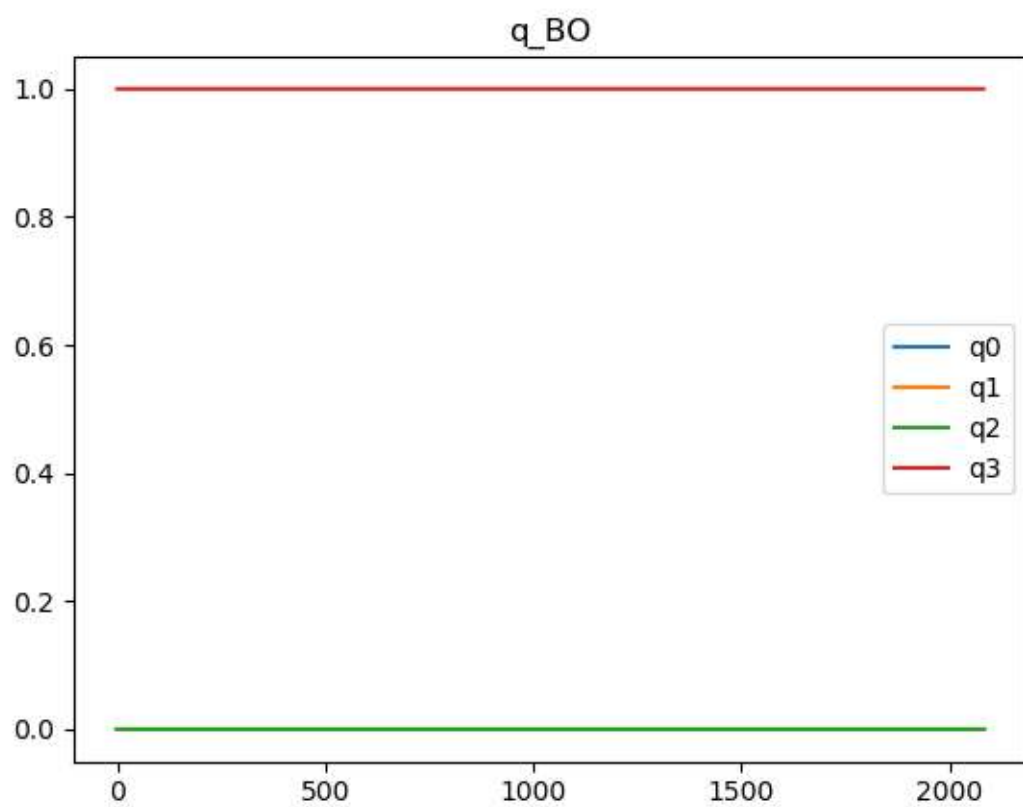


Figure 2: po-identity-no-dist-quaternion

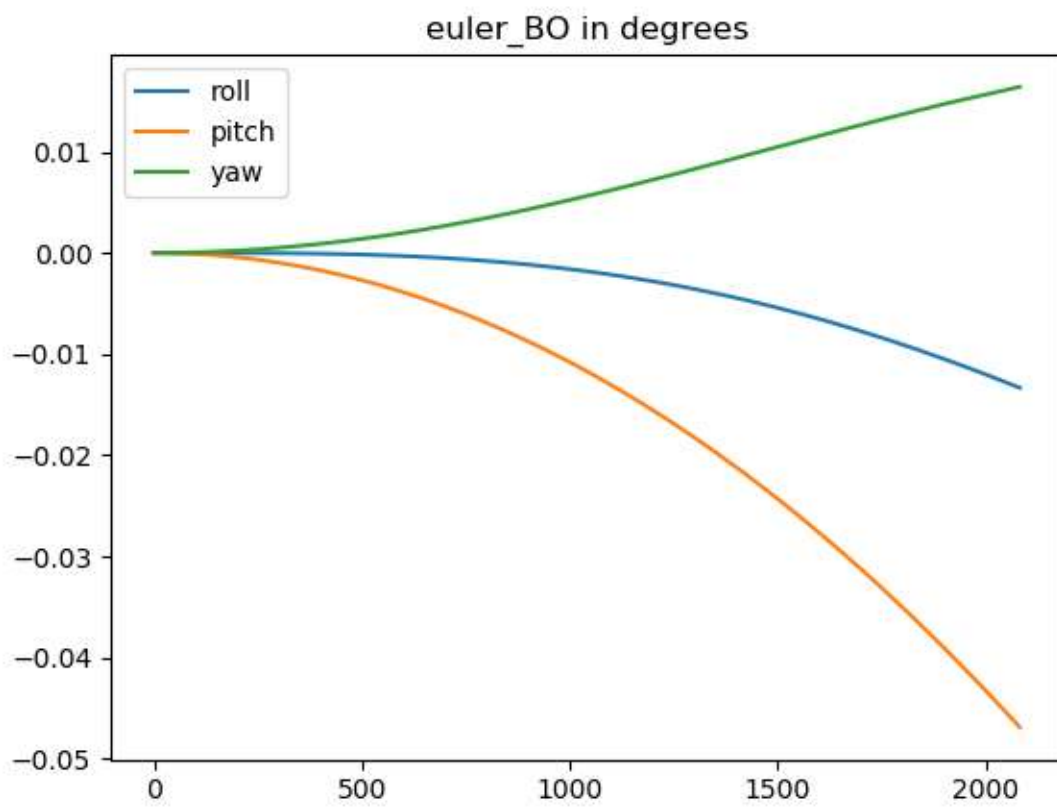


Figure 3: po-identity-dist-eulerangles

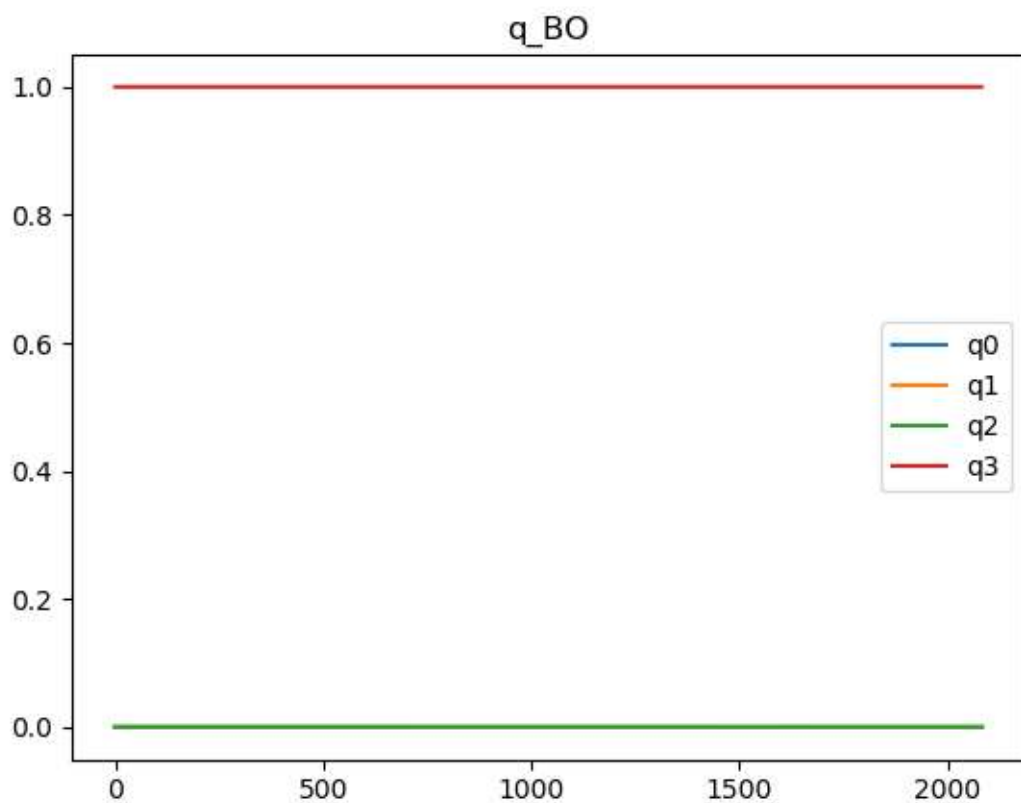


Figure 4: po-identity-dist-quaternion

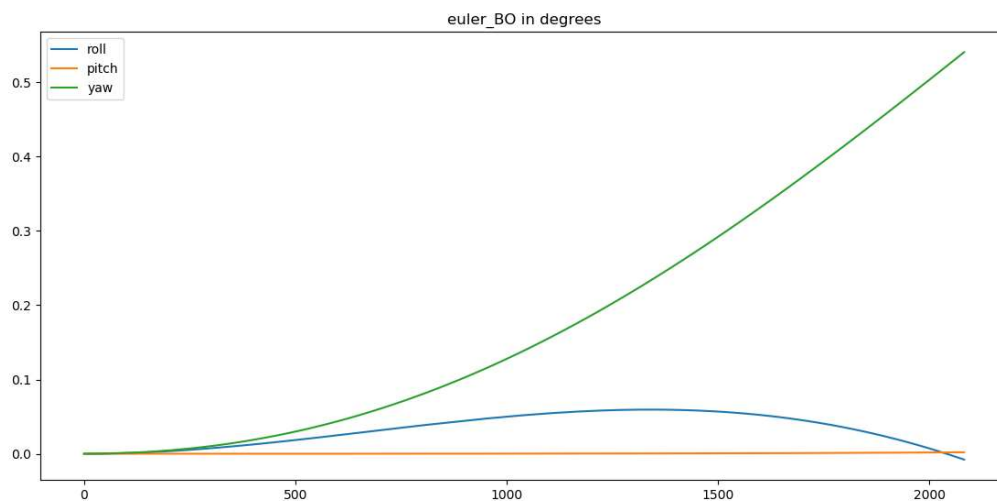


Figure 5: po-advitiy-no-dist-eulerangles

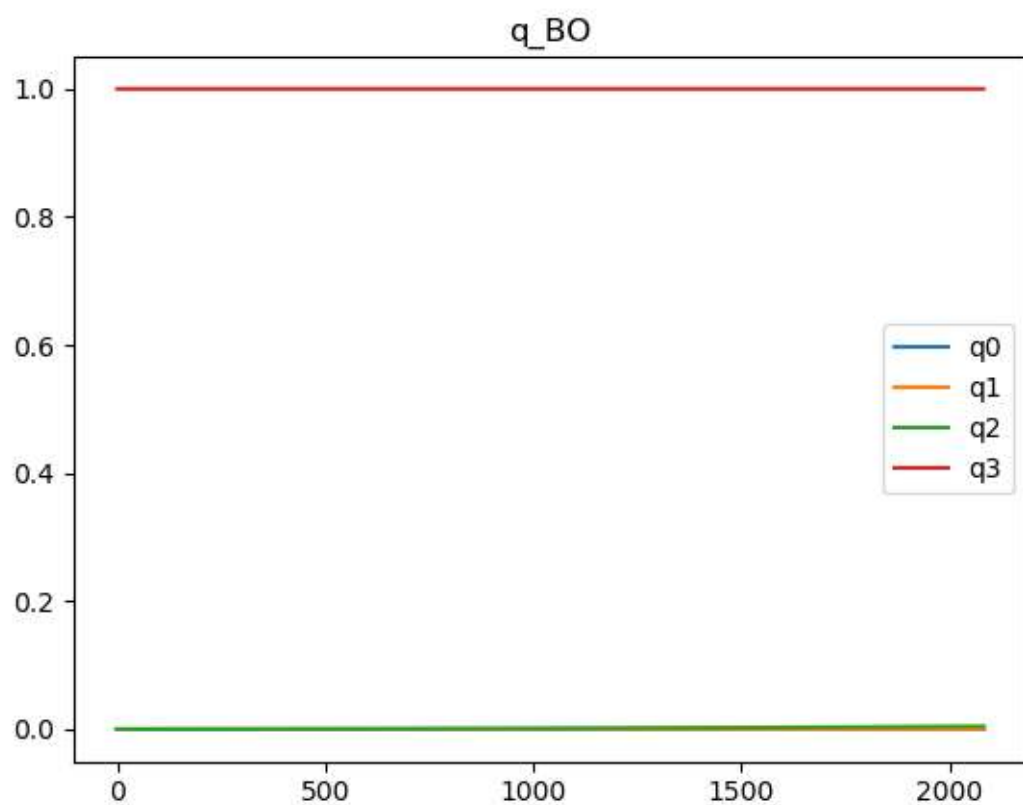


Figure 6: po-advitiy-no-dist-quaternion

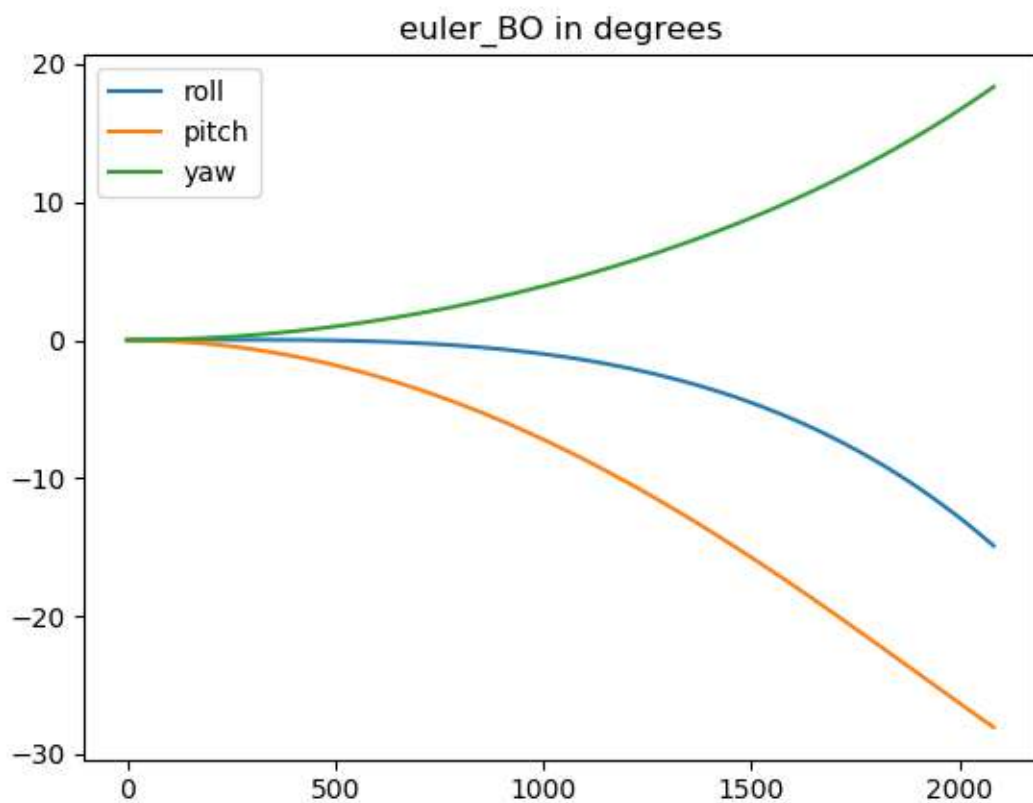


Figure 7: po-advtiy-dist-eulerangles

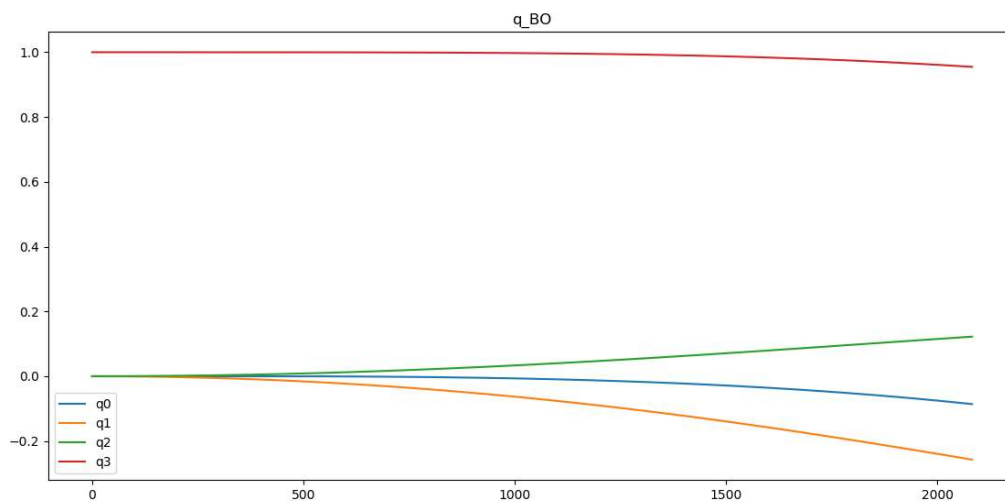


Figure 8: po-advtiy-dist-quaternion