|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Parameter-  ization | Dimen-sion | Attitude Matrix | Kinematic Equations | Singularities | Constraints |
| DCM | 9 |  |  | None |  |
| Euler Angles | 3 |  |  | Symmetric set:  Asymmetrix set: | None |
| Quaternions | 4 |  |  | None |  |
| CRP | 3 |  |  |  | None |
| MRP | 3 |  |  |  | None |