



Classical Orbital Elements:

a : semi-major axis, [m];
n : mean motion, [rad/s]
e : eccentricity, [dimensionless];
i : inclination, [rad];
 Ω : right ascension of the ascending node, [rad];
 ω : argument of perigee, [rad];
v : true anomaly, [rad];
E : eccentric anomaly, [rad];
M : mean anomaly, [rad];

Equinoctial Orbital Elements

classical orbital elements (Keplerian parameters) will be denoted as

$\mathbf{x}_{COE}=[a \ e \ i \ \Omega \ \omega \ M]$