

# Symbols

$a$  semi major axis of ellipse

$c$  velocity of light

$C$  spring constant

$D$  damping constant

$e$  eccentricity of orbit

$\epsilon$  error factor

$\varepsilon$  angle between ecliptic and equatorial plane

$f$  frequency

$F$  force

$\mathbf{F}_i$  coordinate frame

$\gamma$  imposed force per unit of mass

$i$  inclination

$m$  mass

$\mu$  gravitational constant of Earth

$\nu$  true anomaly, angular position on orbit measured from perigee

$\mathbf{O}_i$  origin of coordinate frame

$\phi, \Phi$  phase

$r$  radius, orbit radius

$R, r$  range

$t$  time

$T$  orbital period; time

$V$  velocity

$\Delta V$  velocity increment

$\omega, \omega_o$  angular frequency of orbit

$\omega$  angular rate; argument of perigee

$\Omega$  angle between vernal equinox and ascending node (see RAAN)

