

- Talk about the negative heat capacity of the Keplerian orbit, and self gravitating systems in general
 - ↳ The KEY idea of astrophysics
 - stars
 - Magnetorotational Instability

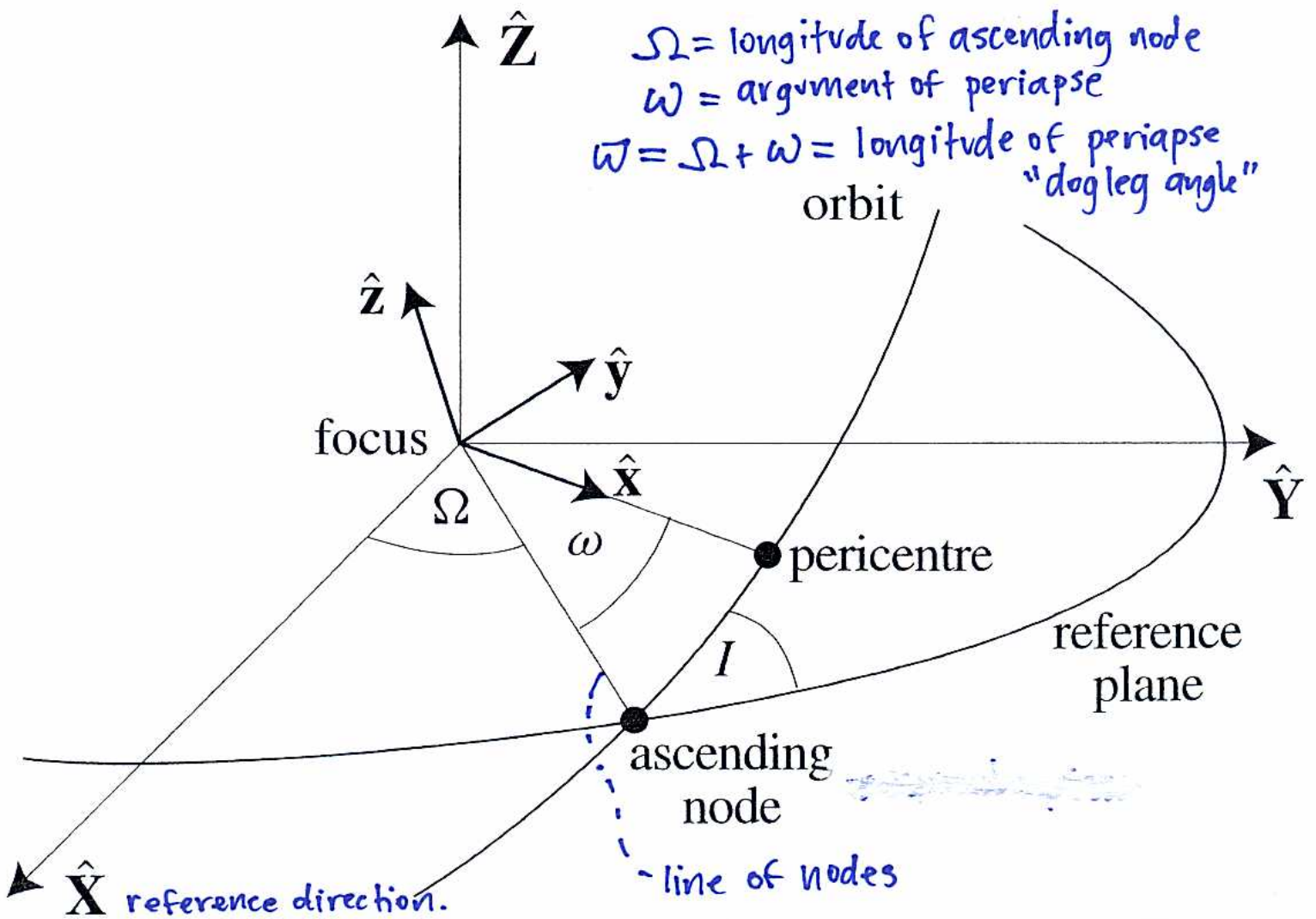
→ If we can't choose the plane to describe the 2-body motion, we need to deal with the orbit in 3D space:

I = inclination

Ω = longitude of ascending node

ω = argument of periapse

$\varpi = \Omega + \omega$ = longitude of periapse
"dogleg angle"



Orbital elements cartesian \vec{x}, \vec{v}

$a, e, M, \Omega, \omega, I$ are equivalent to x, y, z, v_x, v_y, v_z

↳ see routines in integrator.f.

M is the only non-conserved element...