We receive a *GradP* file. The values are defined on **nodes** of a tensor mesh.

$$J = \left(\frac{-L}{\rho g}\right) \nabla P$$

L = 1e-5 coupling coefficient (A/m^2)
ρ = 1000.0 density of freshwater (kg / m^3)
g = 9.81 gravitational constant (m/s^2)

The above *J* is interpolated from tensor mesh nodes to octree mesh **edges**. In the e3d code, *rhs* is calculated:

$$rhs = -i\omega \left(A_{e2c}^{T} vol^{-1}\right)^{-1} J$$