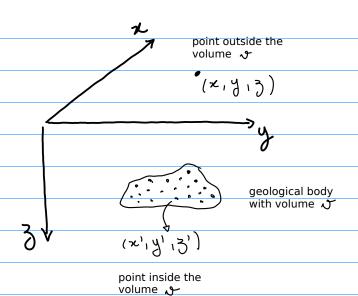
3D sources

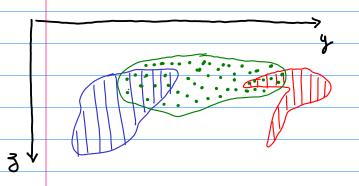
To compute the magnetic/gravitational effect produced by the 3D body at the point (x, y, z), consider that it is formed by small volume elements dv = dx'dy'dz', each one with center at a point (x', y', z').



Magnetic scalar potential produced by the 3D body

m(x',y',3') = h(x',y',3') dvmagnetic moment = magnetization X volume A = A = A = A = A

Gravitational potential produced by the 3D body



$$V(x,y,3) = -6m \iiint \nabla_{\tau}^{+} \mathbf{h}(x',y',3') dv \qquad U(x,y,3) = G \iiint_{\tau}^{+} g(x',y',3') dv$$

$$= -6m \iiint_{\kappa=1}^{+} \int_{\sigma_{\kappa}}^{+} \mathbf{h}_{\kappa} dv \qquad = G \iiint_{\kappa=1}^{+} \int_{\sigma_{\kappa}}^{+} \mathbf{h}_{\kappa} dv$$

$$V(x,y,z) = -con \left\{ \iint_{V_{x}} \nabla_{\frac{1}{x}} \cdot \mathbf{h}_{1} \, d\sigma + \iint_{V_{x}} \nabla_{\frac{1}{x}} \cdot \mathbf{h}_{2} \, d\sigma + \iint_{V_{x}} \nabla_{\frac{1}{x}} \cdot \mathbf{h}_{3} \, d\sigma + \iint_{V_{x}} \nabla_{\frac{1}{x}} \cdot \mathbf$$