$$\frac{1}{r} \frac{\partial^{2}}{\partial r^{2}} (r \Phi) + \frac{1}{r^{2} Sin^{2} \Theta} \frac{\partial}{\partial \Theta} \left(Sin \Theta \frac{\partial \Phi}{\partial \Theta} \right) + \frac{1}{r^{2} Sin^{2} \Theta} \frac{\partial^{2} \Phi}{\partial \phi^{2}} = 0$$

Azimutal Symetry

$$\frac{1}{|x-x'|} = \sum_{\ell=0}^{\infty} \frac{r_{\ell}^{\ell}}{r_{\ell}^{\ell+1}} P_{\ell}(G \circ T)$$

$$P(x) = \frac{1}{4\pi\epsilon} \int dx' \, \rho(x') \sum_{l=0}^{\infty} \frac{l}{r_{l}} P_{l}(c_{l}, r_{l})$$

1 (P, \$12) = [] Jm(kp) or Ym(kp) { e timp } e tkz { if k is it then we have In(kp) & Km(kp) modified Bessel function. G(x,x') = 1 + f(x,x') $\frac{1}{|x-x'|} = \frac{\int_{\mathbb{R}^{+}} r^{\ell} P(Cs\theta)}{\int_{\mathbb{R}^{+}} r^{\ell} P(Cs\theta)} \qquad \text{for example} \qquad \qquad f(r,r') = A_{\ell}r' + \frac{B_{\ell}}{r'^{\ell+1}}$

