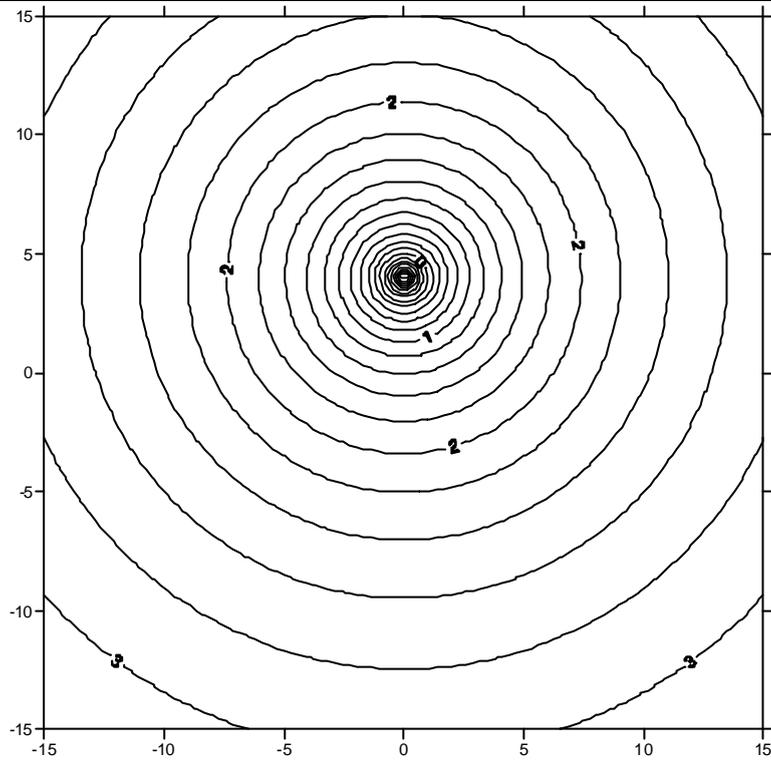


Closed form

$$U(s, x) = \ln r = \ln|x - s|$$



Degenerate form

$$U(s, x) = \begin{cases} U^I(s, x) = \ln R - \sum_{m=1}^{\infty} \frac{1}{m} \left(\frac{r}{R}\right)^m \cos m(\mathbf{q} - \mathbf{f}), & R \geq r \\ U^E(s, x) = \ln r - \sum_{m=1}^{\infty} \frac{1}{m} \left(\frac{R}{r}\right)^m \cos m(\mathbf{q} - \mathbf{f}), & r > R \end{cases}$$

$$R = 4.0, \quad \mathbf{q} = \frac{1}{2}\mathbf{p}, \quad m = 40$$

