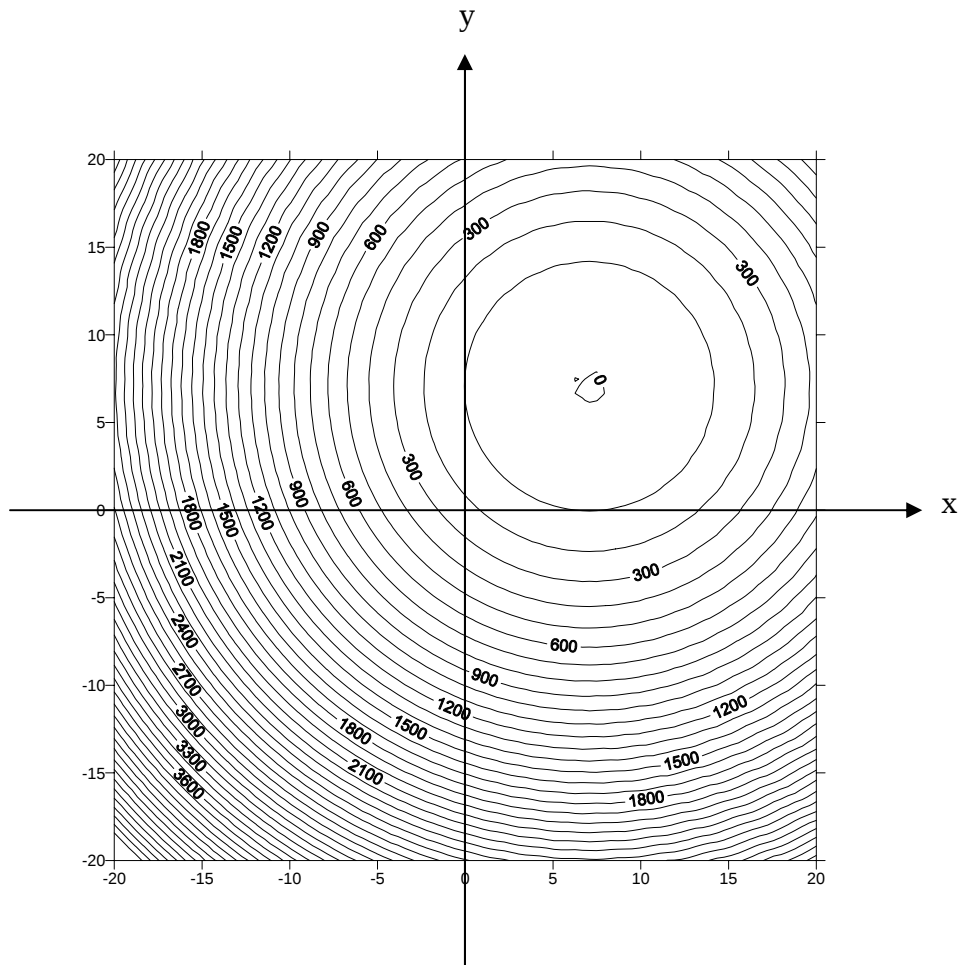
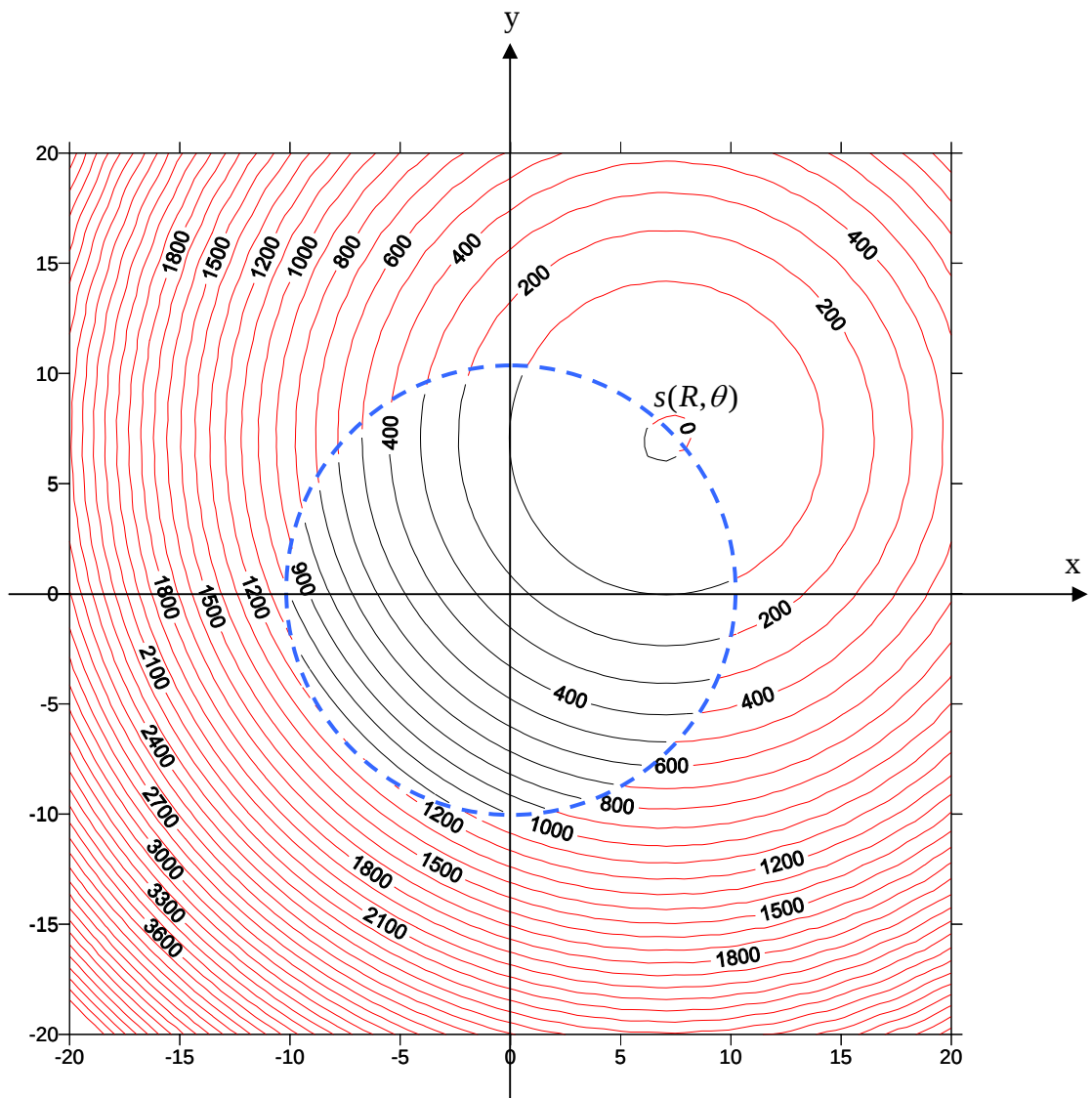


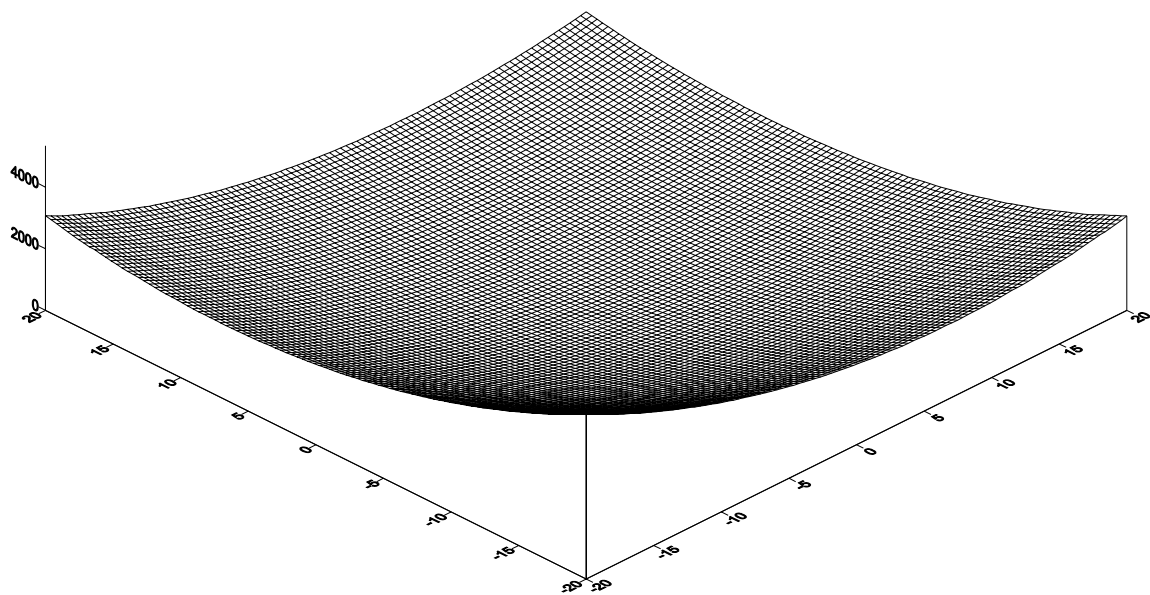


Closed-form

$$U(s, x) = r^2 \ln r \quad , \quad r = |x - s|$$



$$s(10, \frac{\pi}{4}) \quad \rho = 0 \sim 40 \quad m = 1 \sim 10 \text{ \& } 2 \sim 10$$



$$s(10, \frac{\pi}{4}) \quad \rho = 0 \sim 40 \quad m = 1 \sim 10 \text{ \& } 2 \sim 10$$