

Tack  
Länge

$$1) \quad \Phi_1 = \frac{1}{2} k \phi_1^2$$

$$\Phi_0 = \frac{1}{2} k \phi_0^2$$

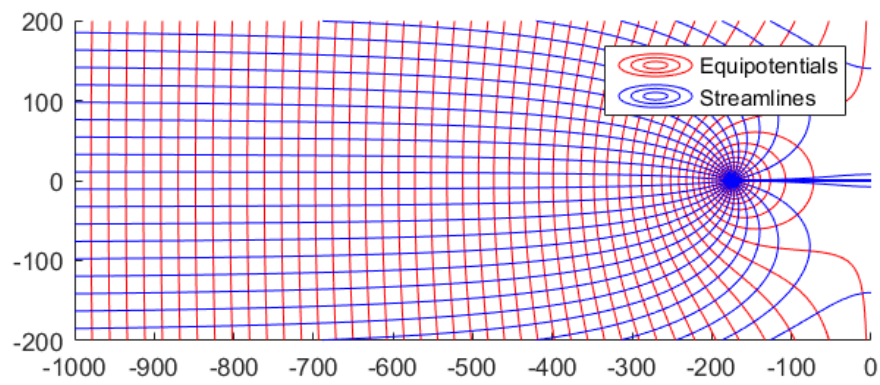
$$Q_{x_0} = - \frac{\partial \Phi}{\partial x} = \frac{1}{2} k \frac{\phi_1^2 - \phi_0^2}{L}$$

$$2) \quad \Omega = \frac{-1}{2} w_0 z + \frac{Q}{4\pi} \ln(z+d) - \frac{Q}{4\pi} \ln(z-d)$$

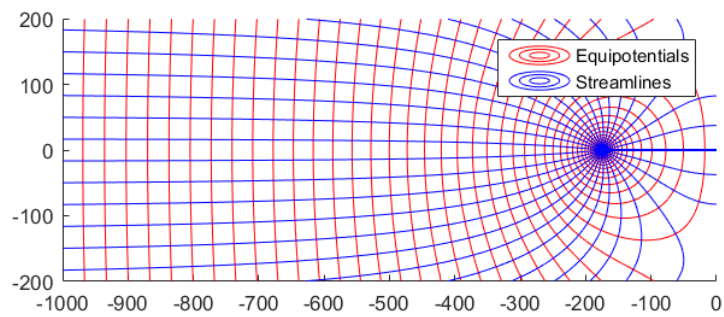
$$W = -2 \frac{d\Phi}{dz} = - \frac{d\Omega}{dz} = \frac{1}{2} w_0 - \frac{Q}{4\pi} \frac{1}{z+d} + \frac{Q}{4\pi} \frac{1}{z-d}$$

Flownets:

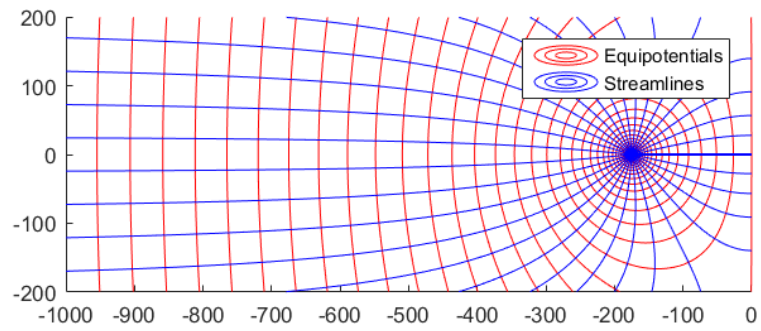
$a = 0.6$



$a = 1.0$

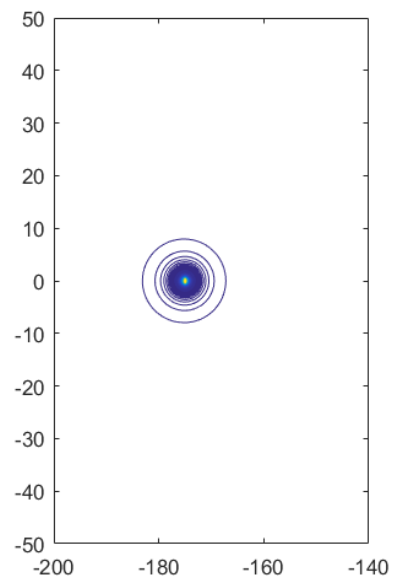


$a = 1.5$

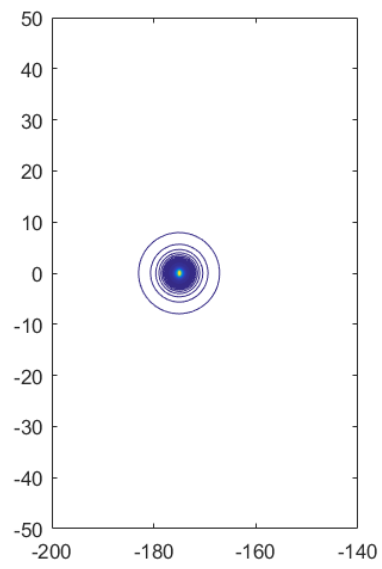


W:

$a = 0.6$



$a=1.0$



$a=1.5$

