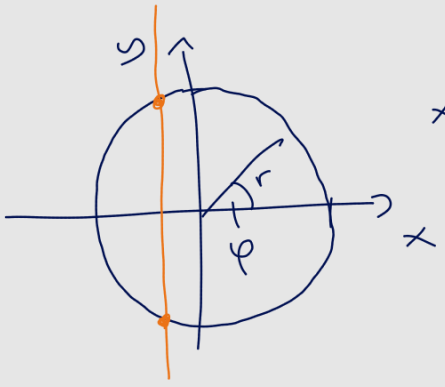
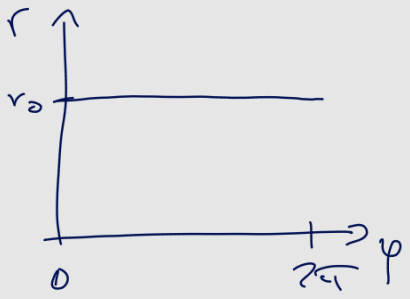
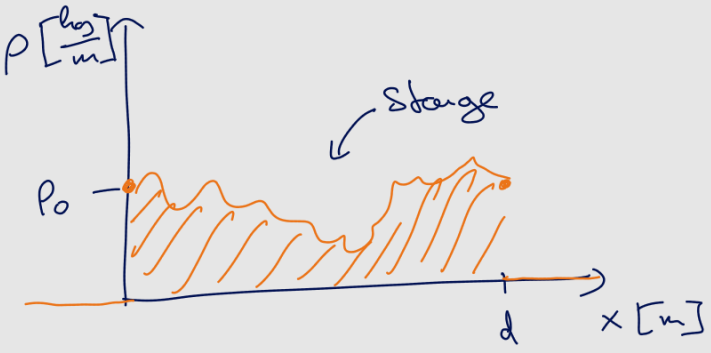


$$x^2 + y^2 = r^2$$

$$r(\varphi) = r_0$$

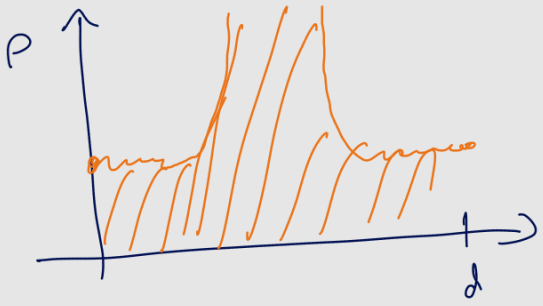




Masse der Stange

$$M = \int_0^d \rho(x)\, dx$$

$$\left[\frac{kg}{m}\right] \cdot [m]$$



Konstanter Dichte ρ_0:

$$M = \int_0^d \rho_0\, dx = \rho_0 \cdot \int_0^d dx$$

$$= \rho_0 \cdot d$$

$$\left[\frac{kg}{m}\right] \cdot [m]$$

$$\frac{\partial}{\partial \theta}(A+B) = \frac{\partial}{\partial \theta} A + \frac{\partial}{\partial \theta} B$$