Morse potential

$V(r) = D_e * (1 - e^{-a*(r-r_r)})^2$

$V(r) = \frac{1}{2} * k * (r - r_r)^2$

x-axis: $\Delta R = (r - r_r)$ [nm]

y-axis: $V(r)$ [$\frac{1}{cm}$]