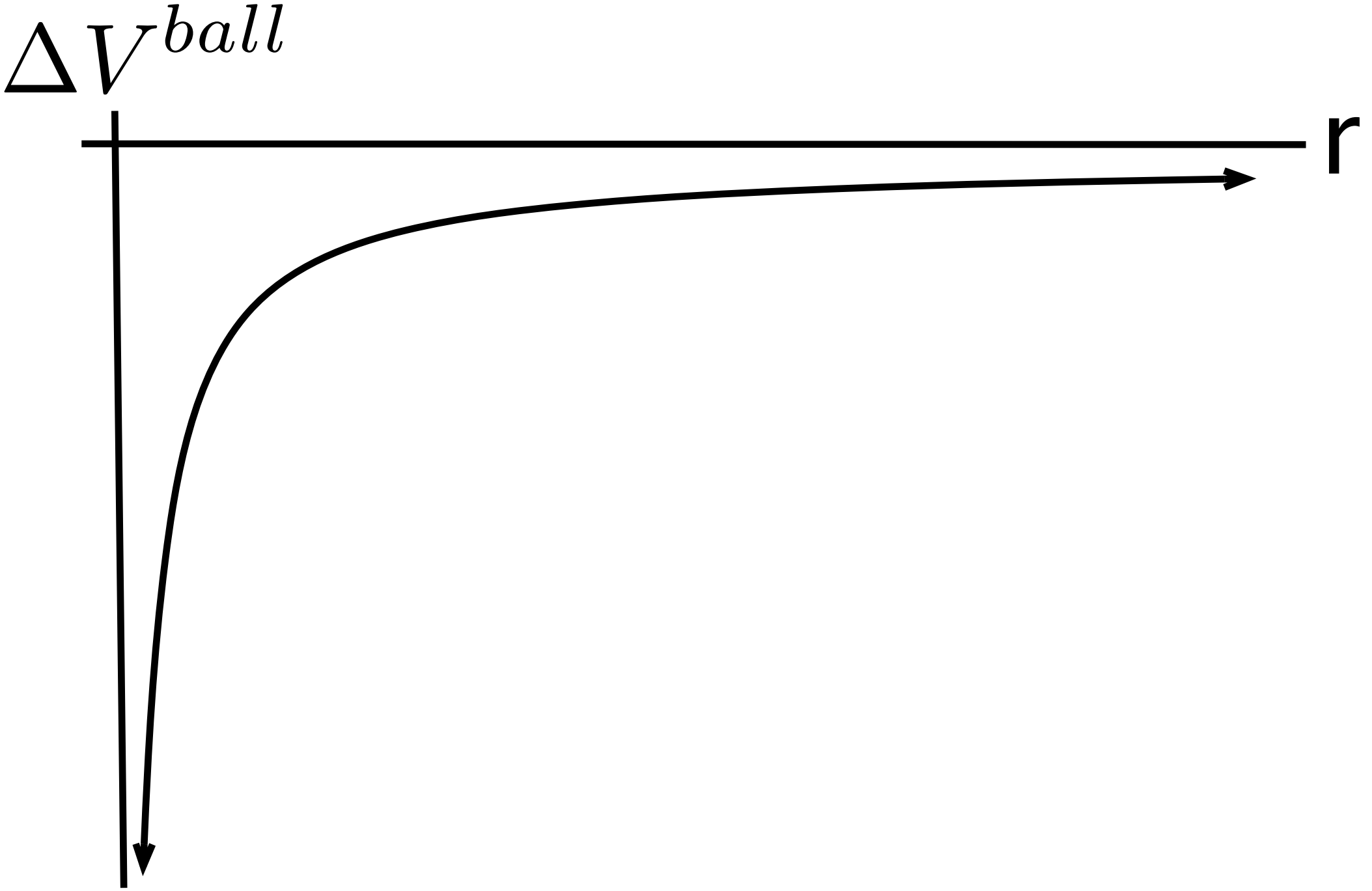
ΔV^{ball}
r