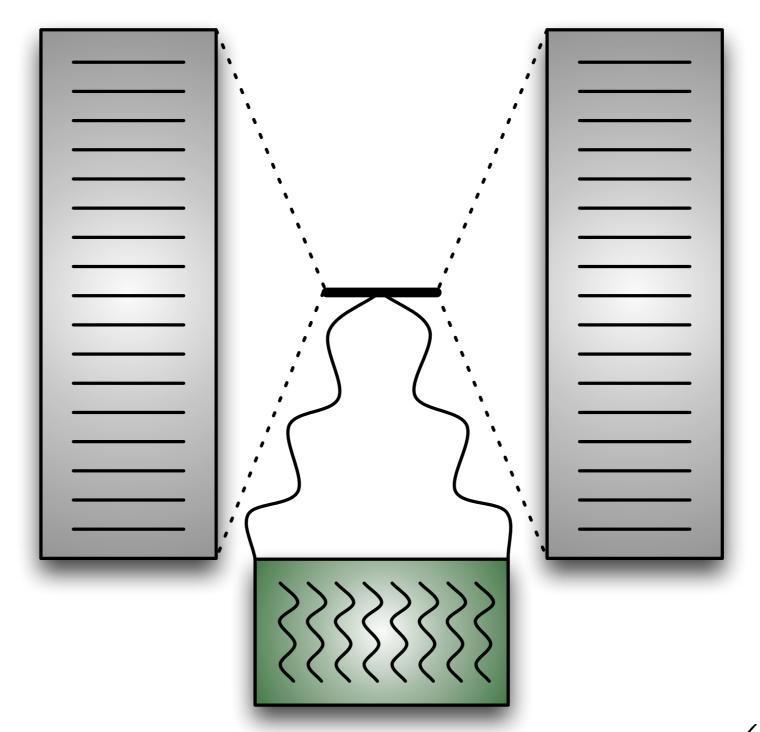
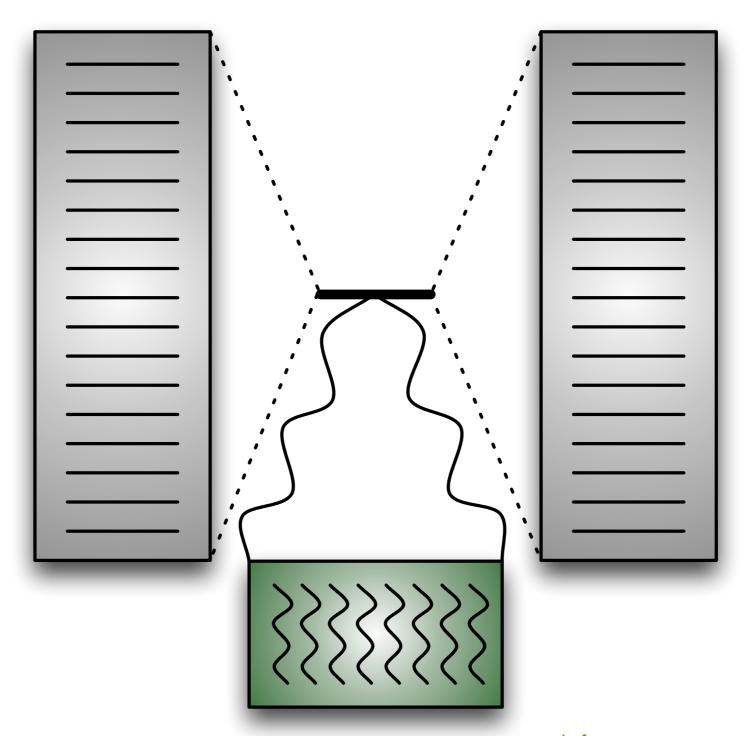
Holstein Model



$$\hat{H}_{\text{Landauer}} + \hat{a}_0^{\dagger} \hat{a}_0 \sum_{\alpha} M_{\alpha} \left(\hat{b}_{\alpha}^{\dagger} + \hat{b}_{\alpha} \right) + \sum_{\alpha} \omega_{\alpha} \left(\hat{b}_{\alpha}^{\dagger} \hat{b}_{\alpha} + \frac{1}{2} \right)$$

Holstein Model



$$H_{\text{Landauer}} + n_0 \sum_{\alpha} \Gamma_{\alpha} x_{\alpha} + \sum_{\alpha} \frac{\omega_{\alpha}}{2} \left(x_{\alpha}^2 + p_{\alpha}^2 \right)$$