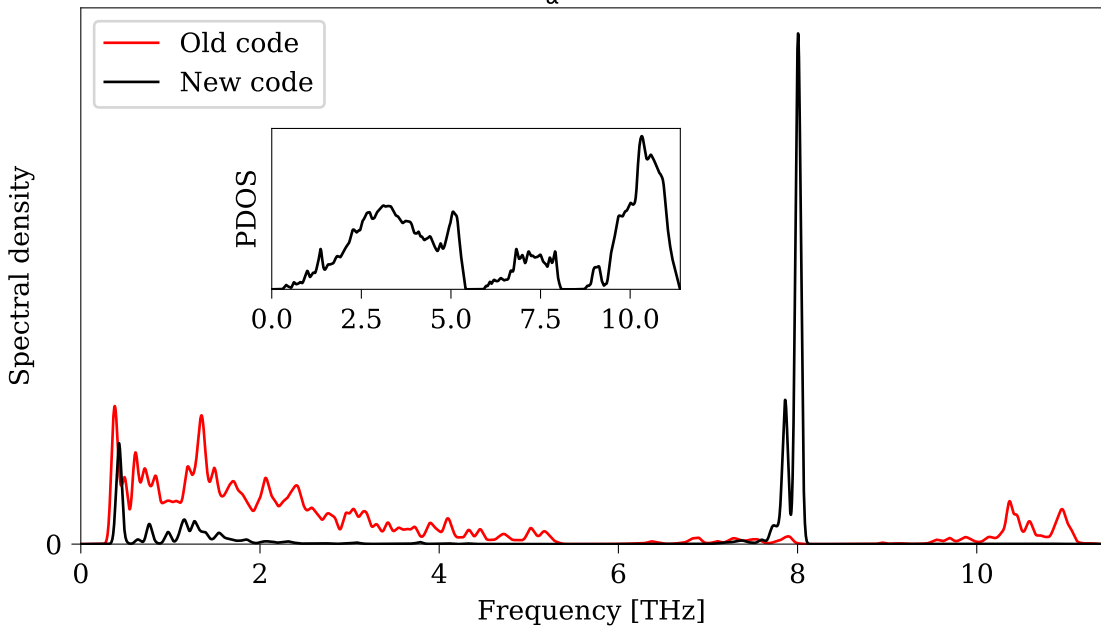


3nm CdSe/4ML CdS core-shell quantum dot

$$J_{Dipti}(\omega) = \sum_{\alpha} \left(\frac{V_{\alpha}}{\omega_{\alpha}} \right)^2 \delta(\omega - \omega_{\alpha})$$



$$J_{Skinner}(\omega) = \sum_{\alpha} \frac{(V_{\alpha})^2}{\omega_{\alpha}} \delta(\omega - \omega_{\alpha})$$

