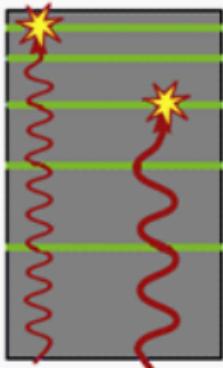


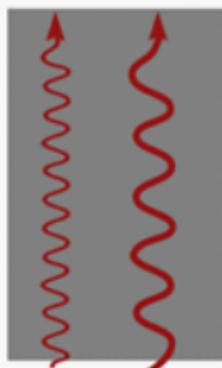
Gradient  
( $\kappa = 8.1$   
 $\text{W m}^{-1}\text{K}^{-1}$ )



Superlattice  
( $\kappa = 11.8$   
 $\text{W m}^{-1}\text{K}^{-1}$ )



Plain ZnO  
( $\kappa = 58$   
 $\text{W m}^{-1}\text{K}^{-1}$ )



Thermal Conductivity Decreases

**Figure 1:** Simplified sketch of phonon transmission in different ZnO:Benzene thin film designs.  
Values for thermal conductivity from [3]and[4].