

Fig 1. Room temperature measurements of the square of the absorption coefficient for $\text{GaSb}_{1-x}\text{Bi}_x$ at $x = 0.009$ (Yellow), 0.036 (Orange), 0.042 (Red), along with homoepitaxial GaSb (Black) grown for reference. Plots are labelled with approximate values for absorbance band edge energies.

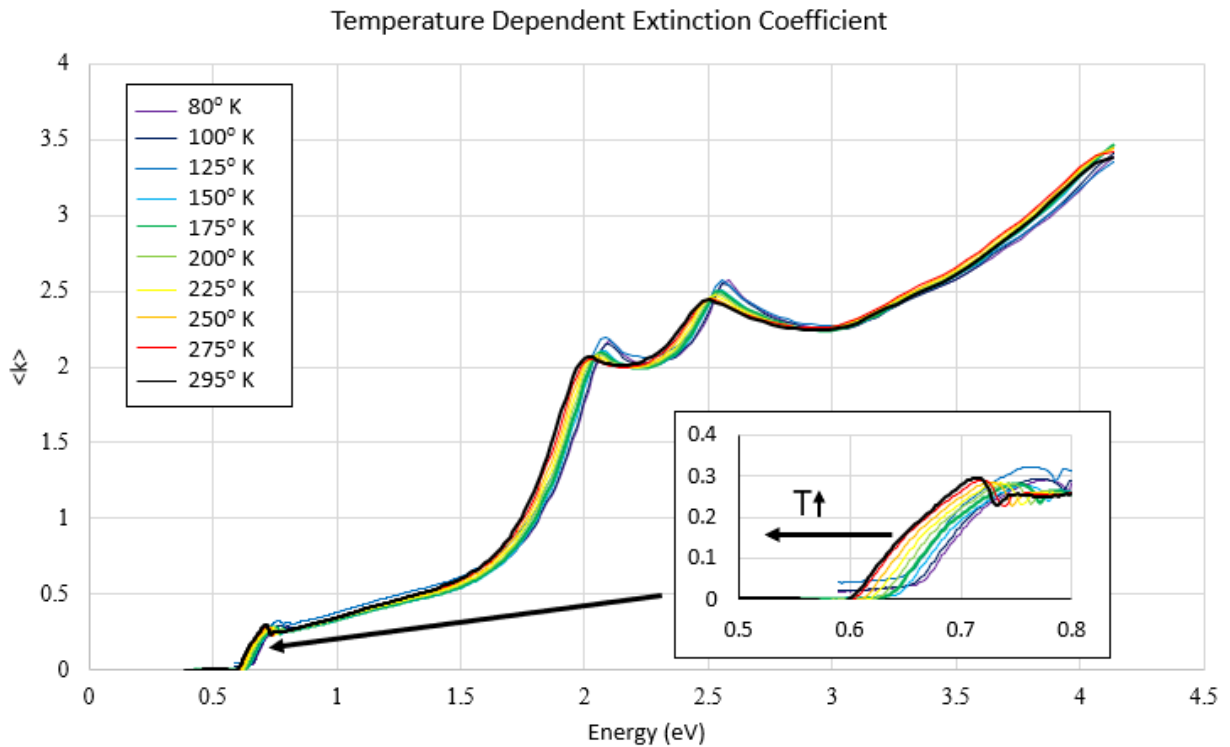


Fig 2. Measured extinction coefficient for a 3.6% $\text{GaSbBi}/\text{GaSb}$ layer stack for temperatures from 80 to 295K. Insert zooms in to near the bandgap energy.