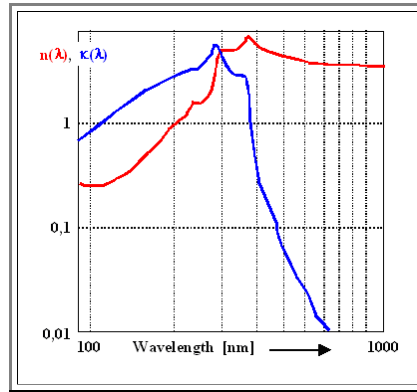


Complex Index of Refraction of Silicon

Illustration

Here is the complex index of refraction of *Silicon* (from Handbook of Optical Constants of Solids (E.D. Palik))



- Note that the imaginary part κ increases as soon as the wavelength is small enough for band-to-band absorption processes; i.e. $\hbar \cdot \nu > E_G$ applied (with E_G = band gap).