

Heat-related illness

Older people are at risk of heat-related illness, especially if overweight or obese

people have diminished sweating ability and reduced thirst awareness just as a

Global temperatures are increasing due to climate change. Heatwaves are predicted to become more frequent, more

• λ is the wavelength of the light
• n is the refractive index of the medium
• t is the thickness of the film

• For constructive interference, the path difference must be an integer multiple of λ .

• For destructive interference, the path difference must be a half-integer multiple of λ .

• The condition for constructive interference is $2nt = m\lambda$, where m is an integer.

• The condition for destructive interference is $2nt = (m + \frac{1}{2})\lambda$, where m is an integer.