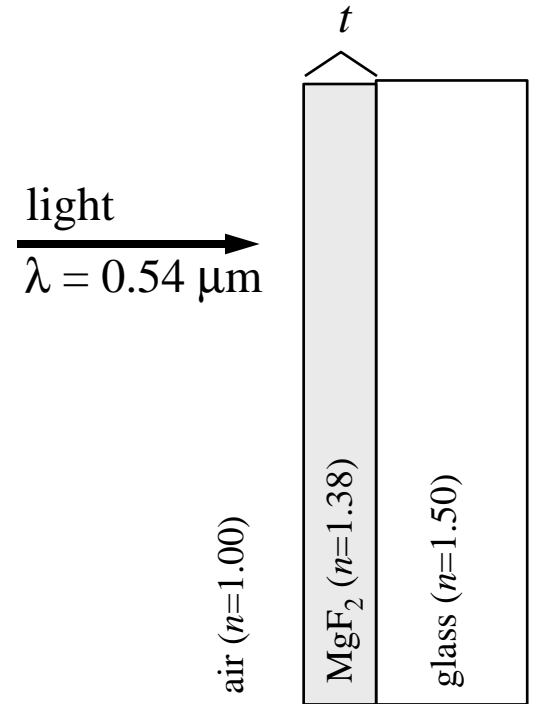


Quiz 8

A lens made of glass ($n=1.50$) is coated with a MgF_2 ($n=1.38$) film of thickness t . When illuminated with light ($\lambda=0.54 \mu\text{m}$) no light is reflected back. Find the thickness t of the film.

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