My name is Mike Gentile. (you can call me "Mike") Mgentile Ophysics. rutgers. edu Physics 194 - Lecture 21 Physics 194 - Lecture 21

Have a question during class? Please ask it right away, even, f it means interrupting in the middle of a thought. I want you to!

Class

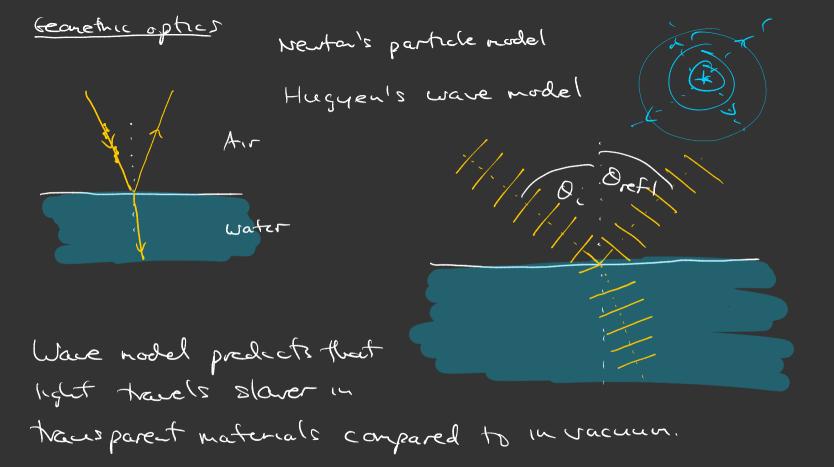
Starts

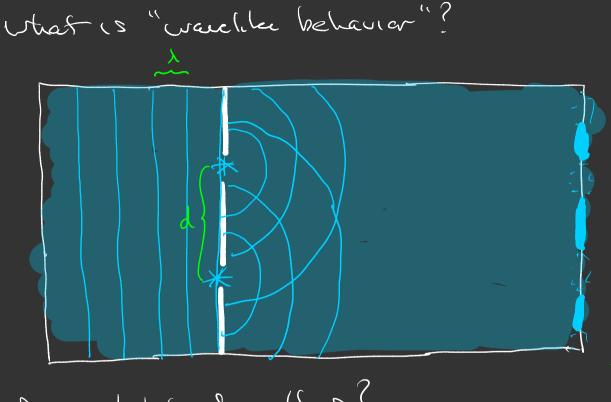
<u>@2:15 pm</u>

Agenda

- Particle 15. wave model for light
- Interference

- Young's double slot experiment

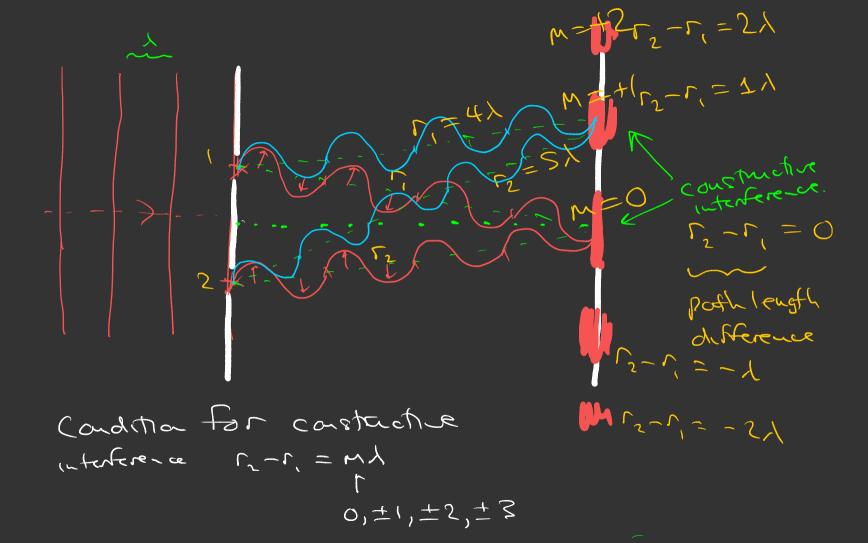




Interference

Because & td are comparable in length scale, wave like behavior happens.

Does light do this?



M=+1 0 00 SIN $\Gamma_2 - \Gamma_1 = olsind$ Constructive interference dsind = mh condition 0,±1,±2,...