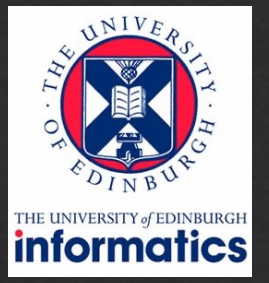
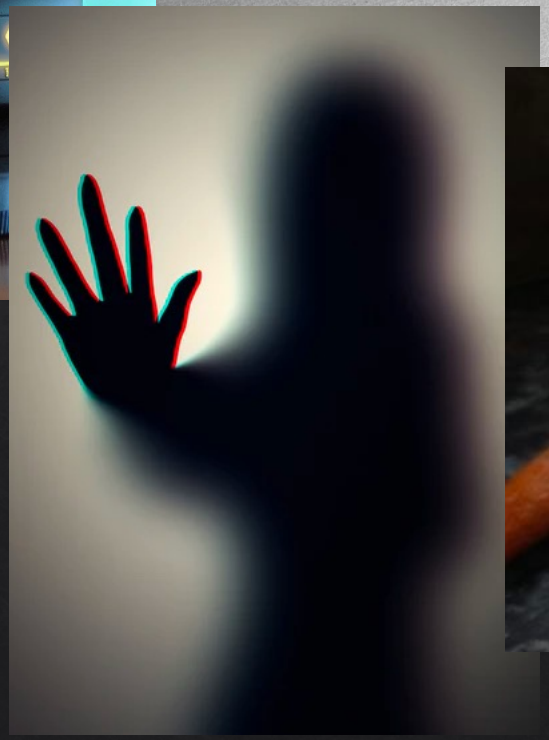


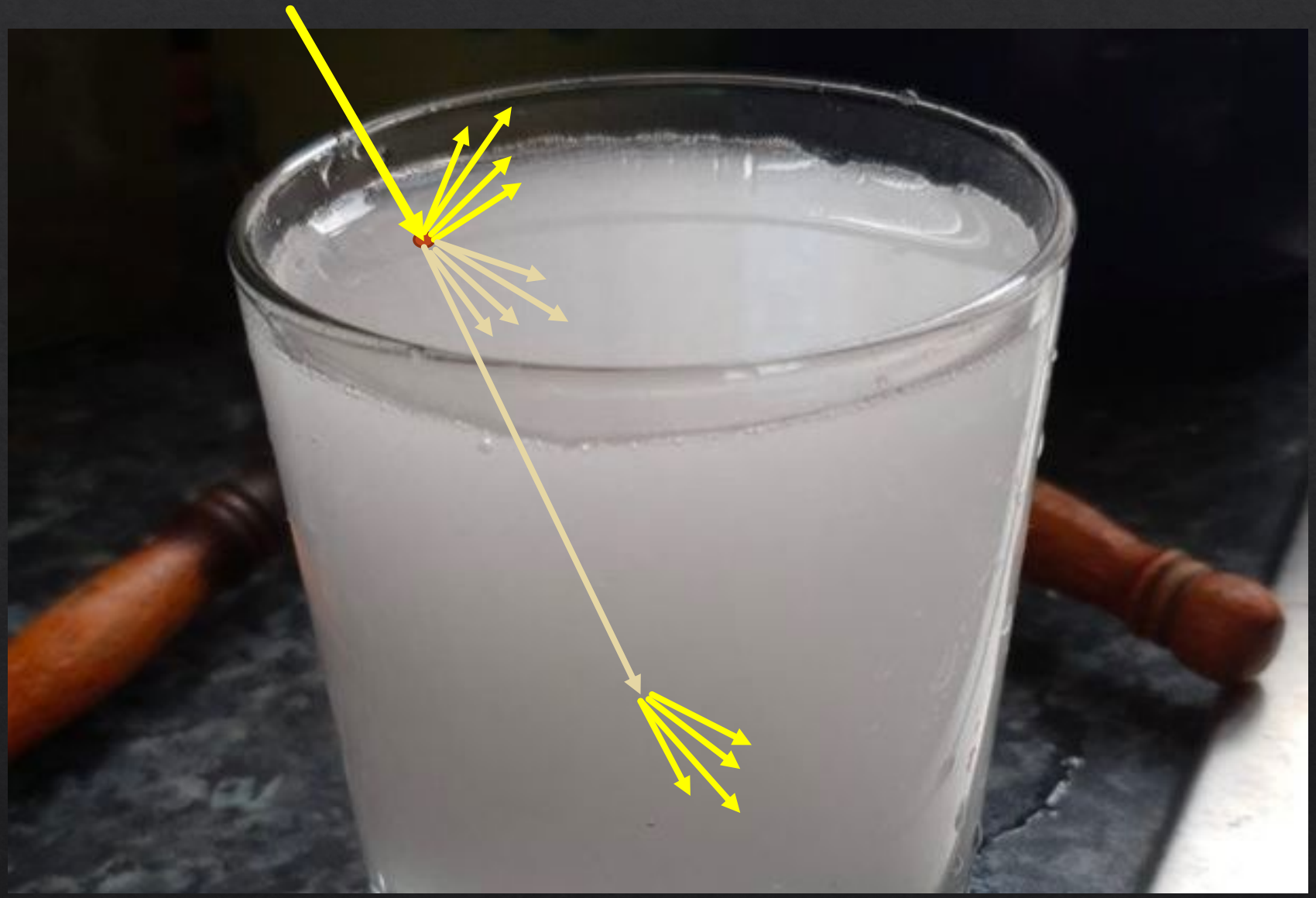
Computer Graphics

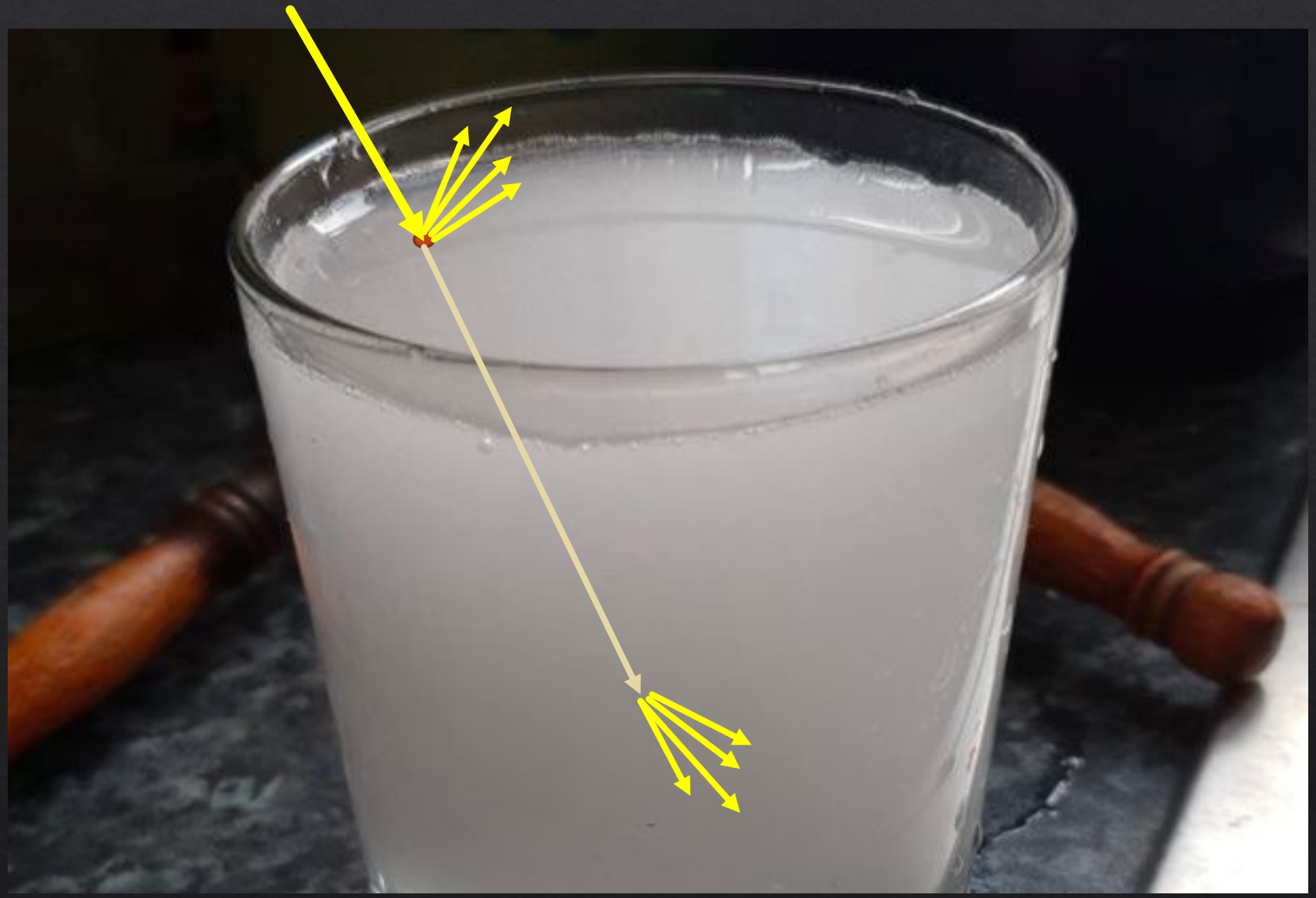
Lecture 16: Scattering media

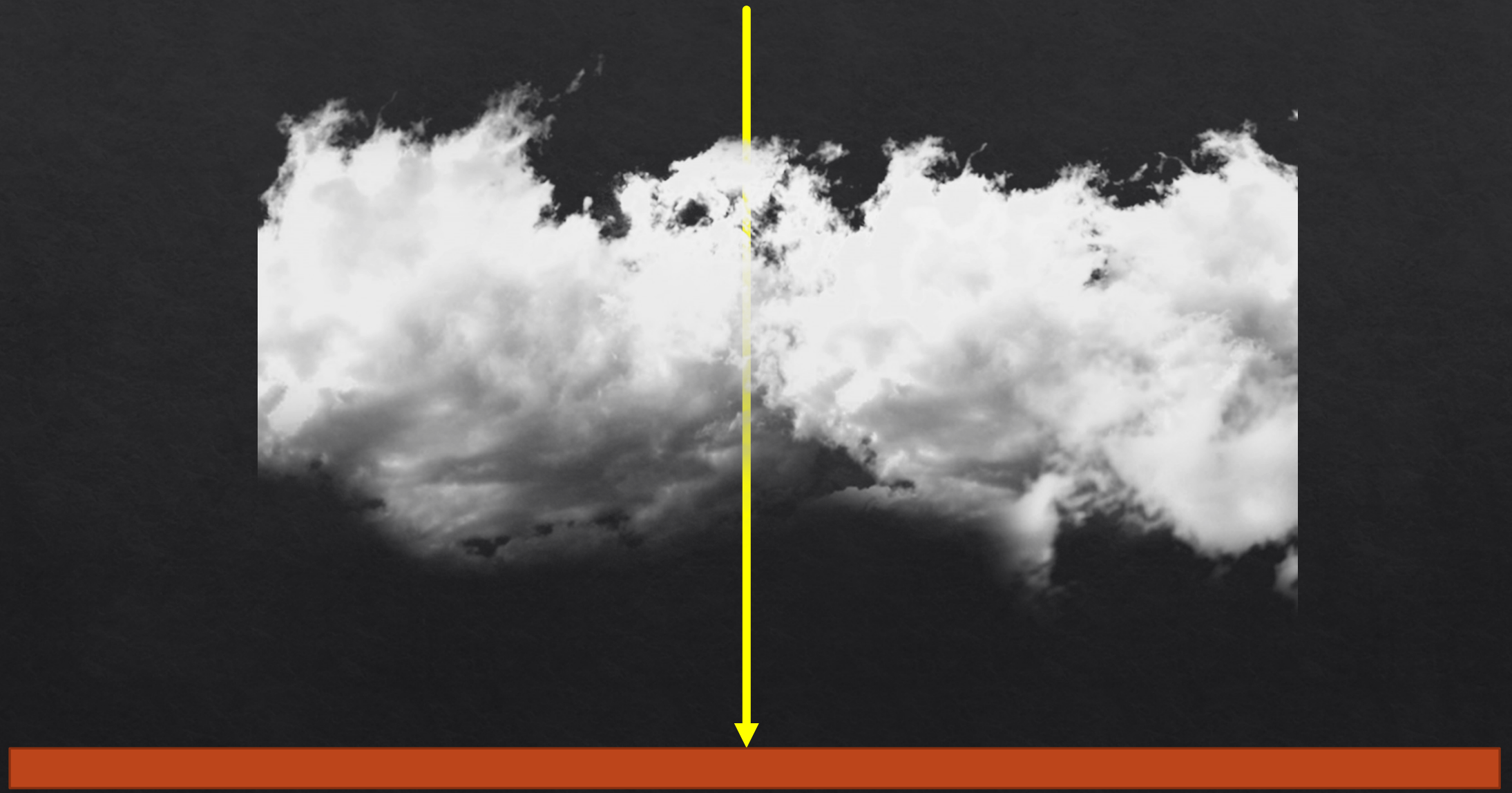
Kartic Subr

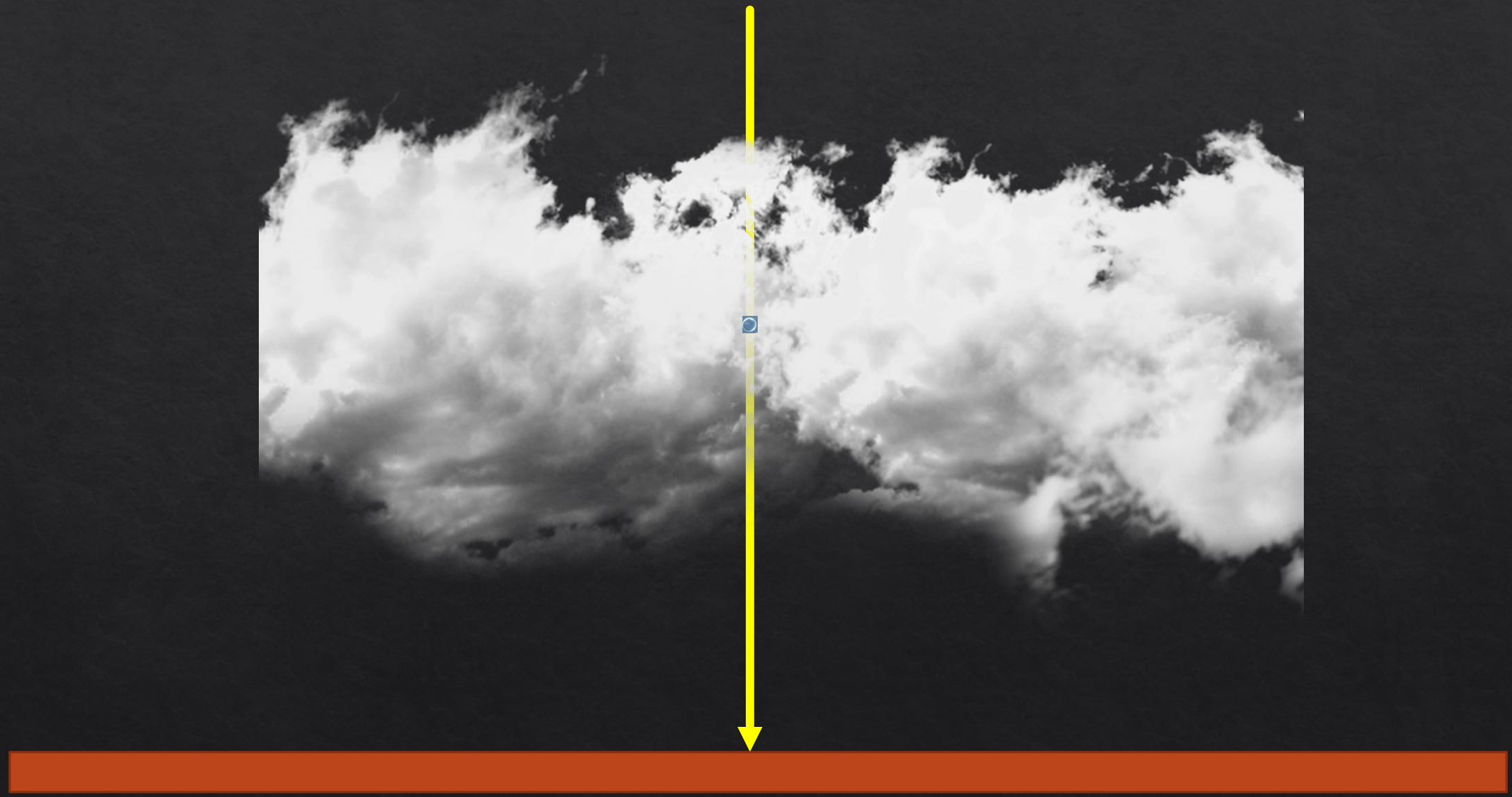
Nikon
AF-S NIKKOR 85mm

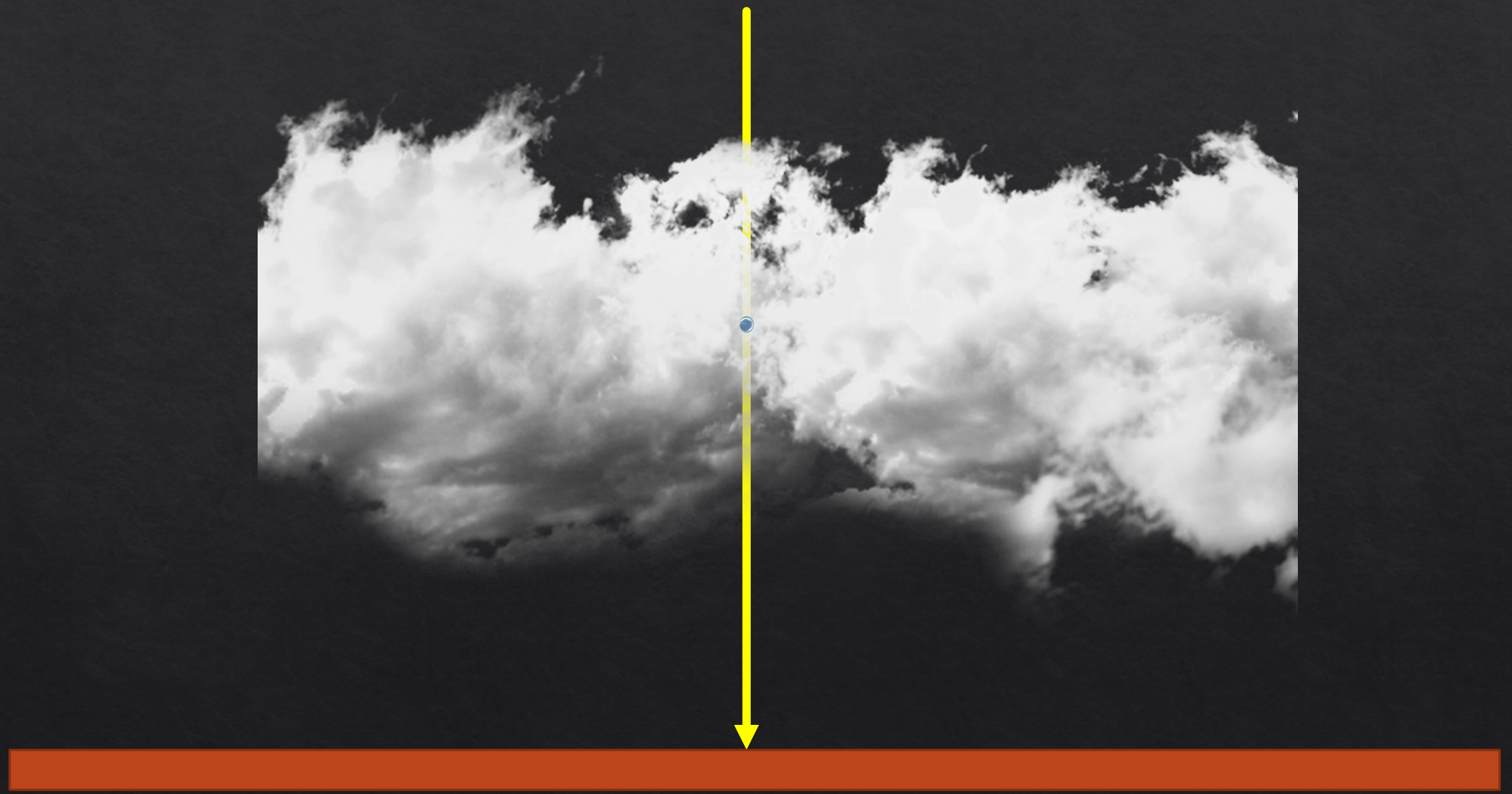


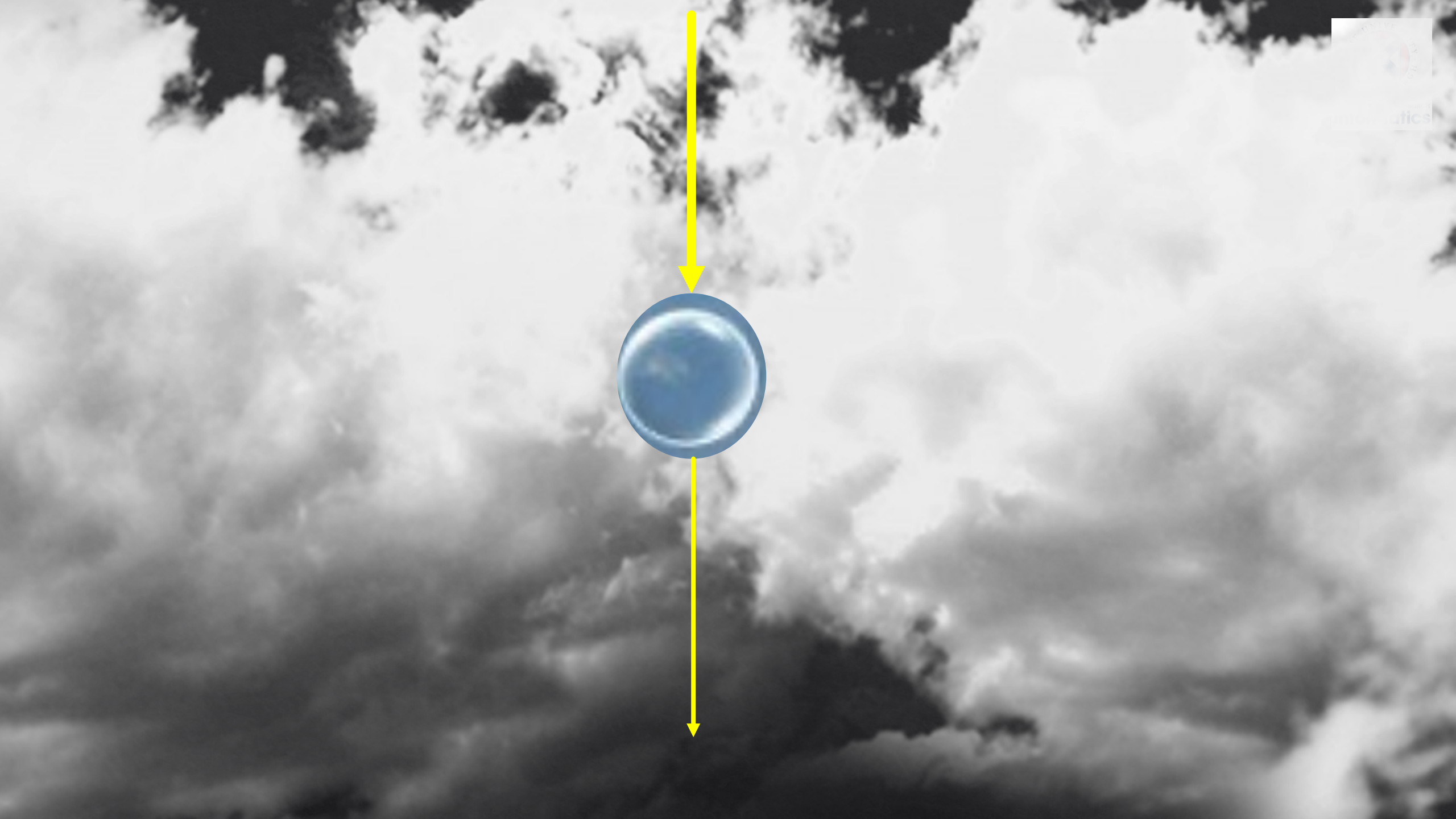


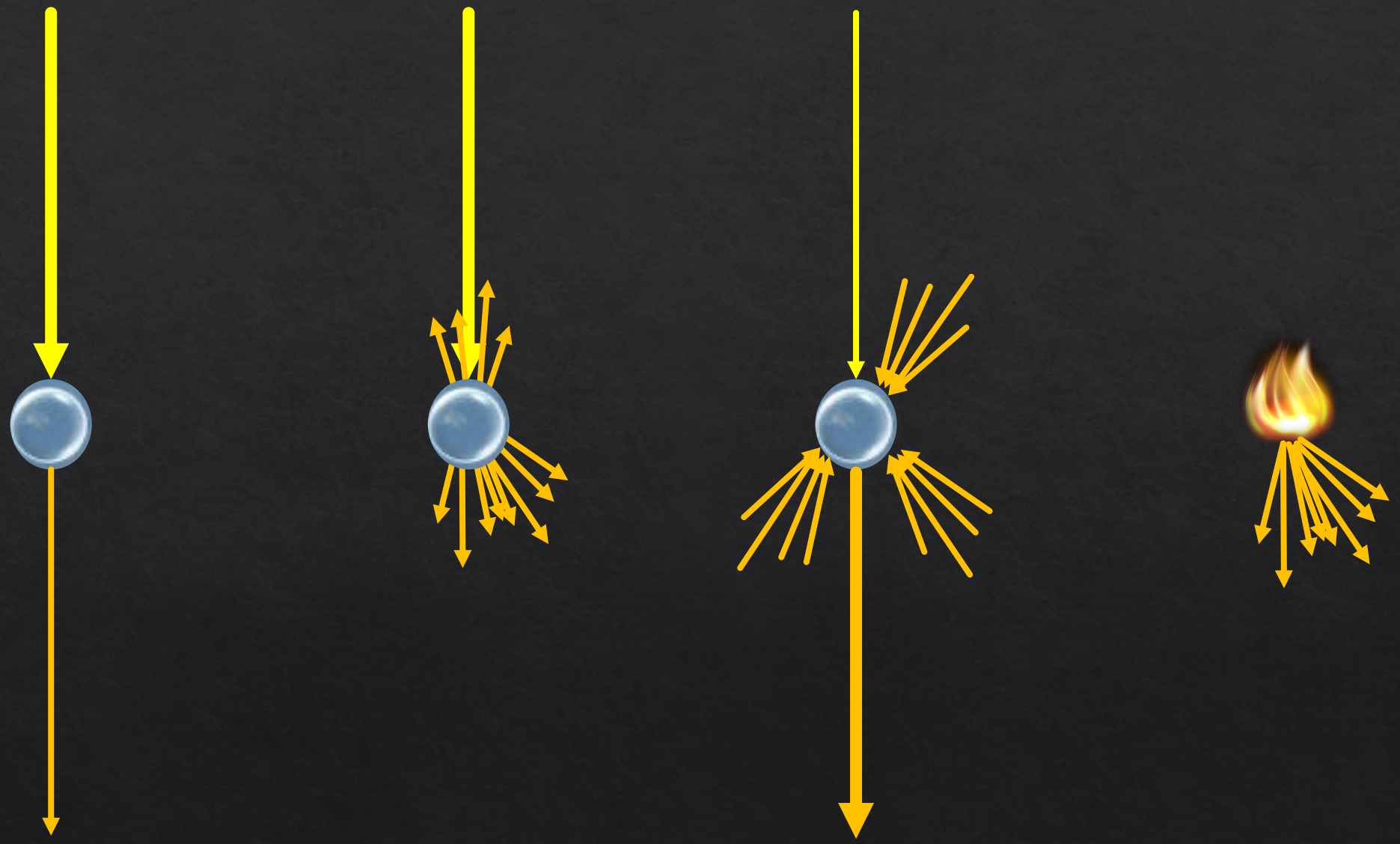








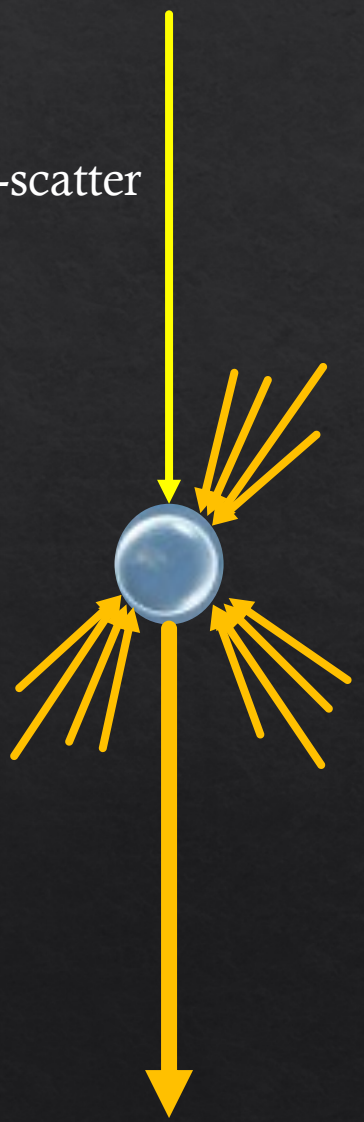




absorption

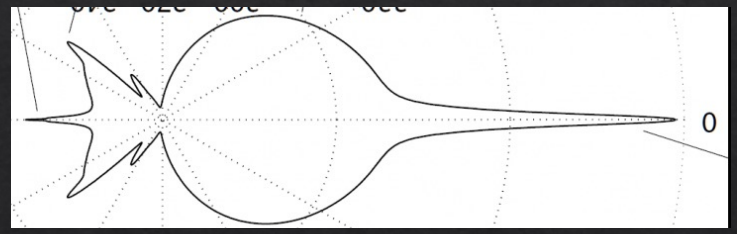
out-scatter

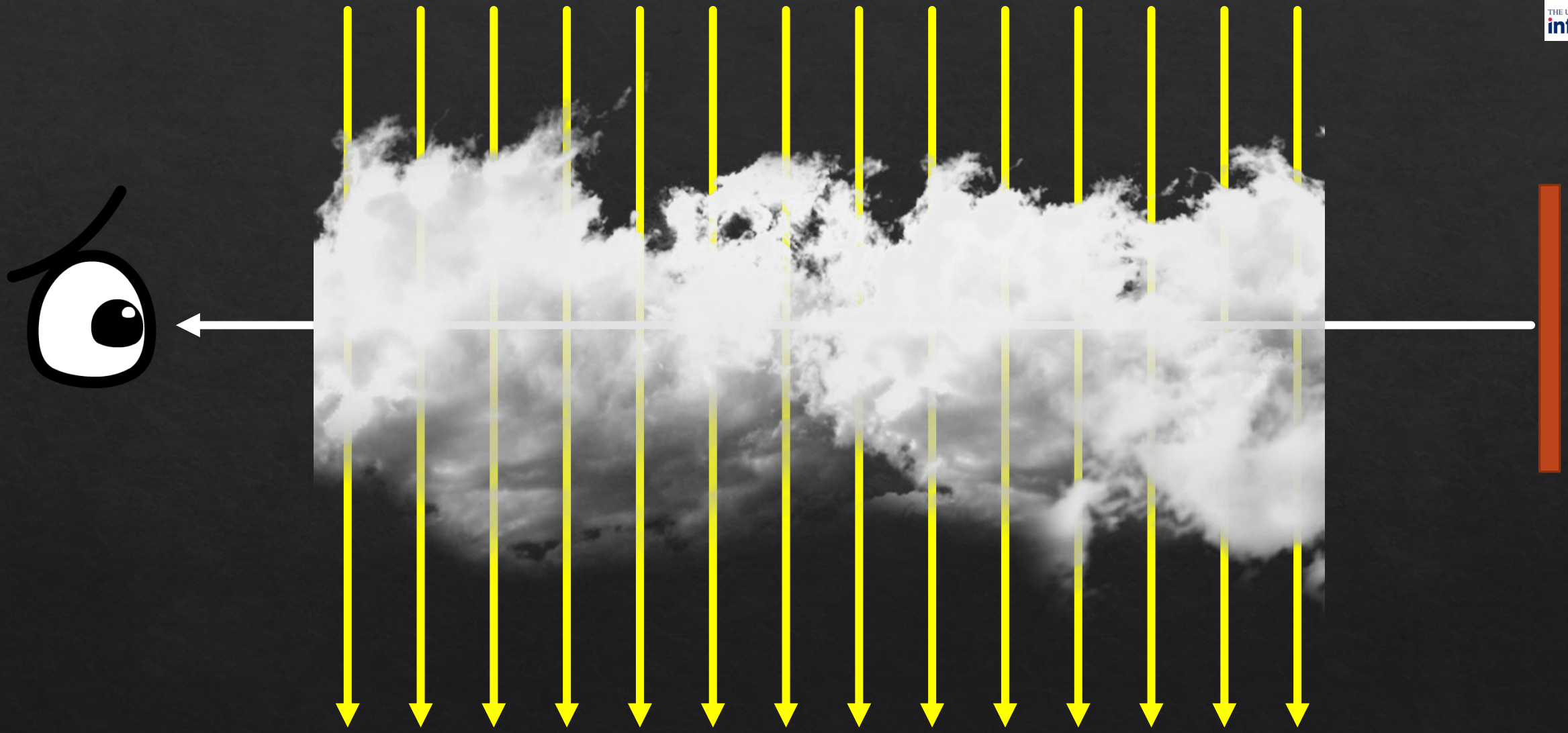
in-scatter

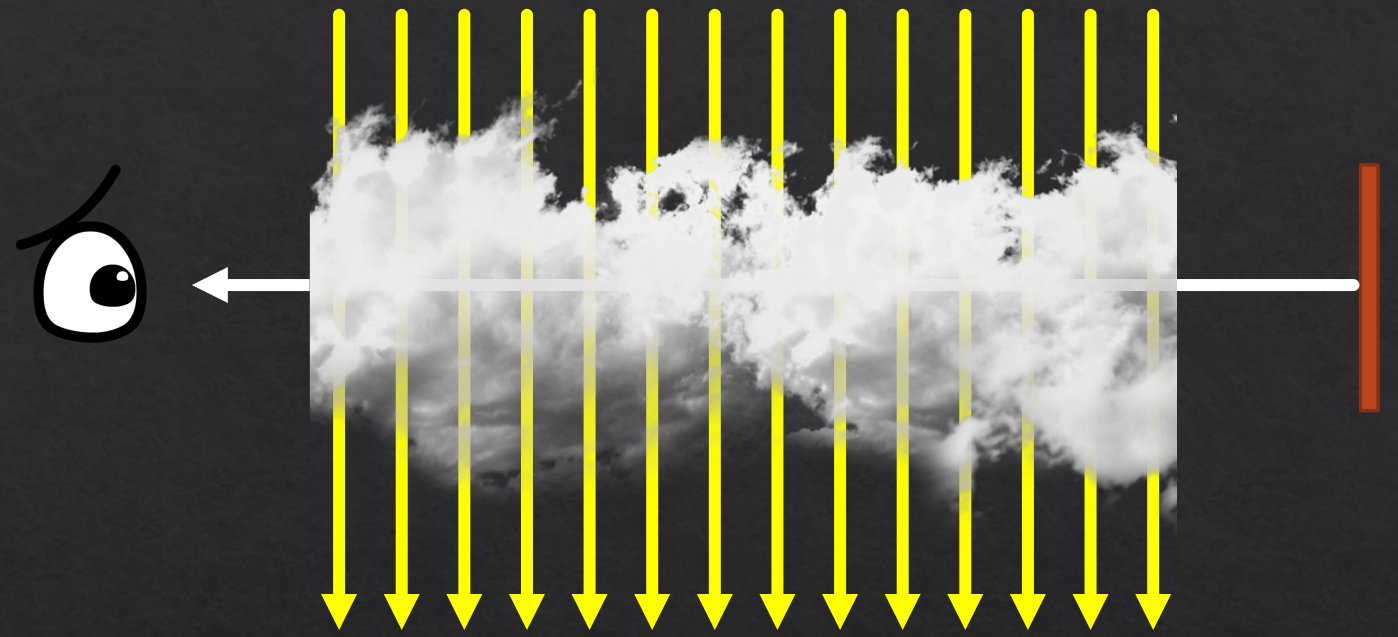


emission

Phase function







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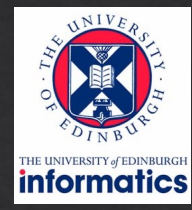
SIGGRAPH 2018 course slides

https://cs.dartmouth.edu/~wjarosz/publications/novak18monte-sig.html

Simplify calculations by adapting BRDFs?



A Practical Model for Subsurface Light Transport

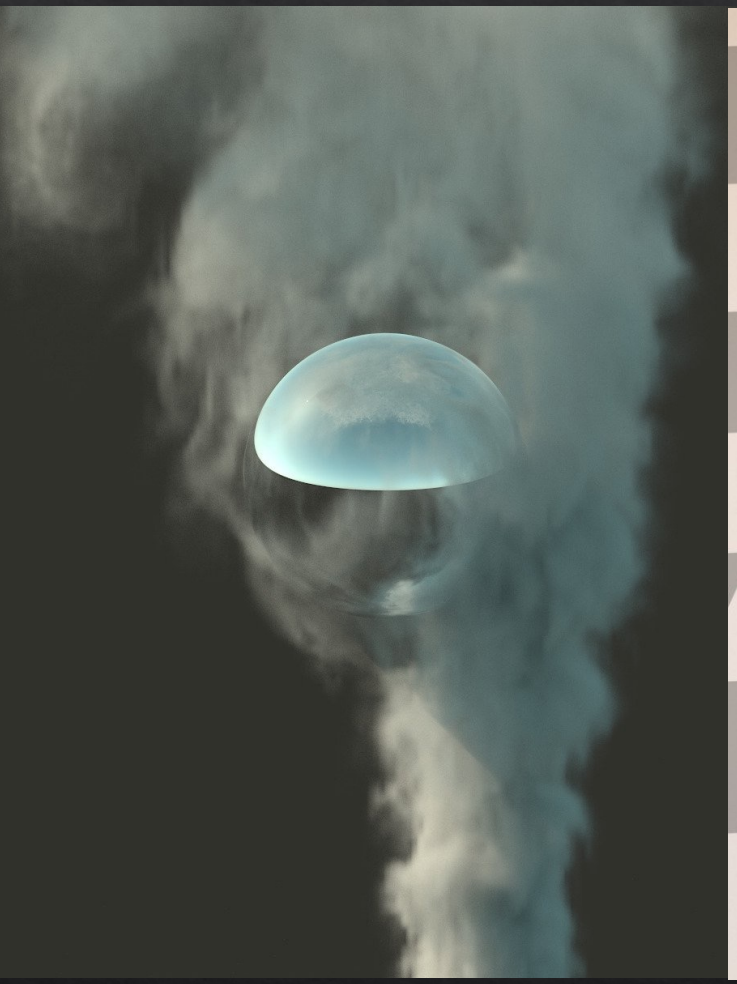
Henrik Wann Jensen Stephen R. Marschner Marc Levoy Pat Hanrahan

Siggraph 2001

BRDF

BSSRDF

Full simulation



https://www.pbrt.org/scenes-v3