

MITOCW | Investigation 4, Part 7

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SPEAKER 1: Hi, my name is Azeith and I'm part of the CIA program-- CAI program.

SPEAKER 2: I'm Panteli and I'm also part of the CAI program.

SPEAKER 1: Today, we're here to talk about luminosity and flux. And I'll start off with explaining luminosity. Luminosity is light given by the source. And it has to go-- it has to travel through [INAUDIBLE] degrees in order to get to the detector, which my friend here will explain.

SPEAKER 2: Flux is the amount of photons being received by the detector. As you can see in the drawing, the arrows represent the photons being released by the source. The clouds are these lines right here. And when the photons pass through the clouds, a lot of them are either blocked or absorbed by the cloud. So only a minimal amount of photons are able to reach the detector.

So I'm Panteli. He's Azeith. And we just explained what luminosity and flux are.