

TEMPLE

MATH CLUB

Metalenses and Optimal Transport–
Irem Altiner

WHEN

October 10 2024
5-6 PM

WHERE

Wachman Hall 617

In this talk we will mostly talk about what optimal transport (OT) is. I will mention its history, the mathematical formulation of the problem, some results about it and its numerous applications in pure and applied mathematics. We will then examine one of its applications in geometric optics more closely, which is about refraction in metalenses. This talk can be seen as a tiny and superficial course on OT and its applications, no background, except common math and math interest, is needed.

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