

APPLIED MATHEMATICS SEMINAR 291

## Optimal Transport and Geometrical Optics

Date: **10/18/2019**

Time: **3:00 PM**

Location: **COB1 265**

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### Abstract

We present a deep connection between the Monge optimal transport problem in Economics and the foundations of Geometrical Optics. In particular we derive a natural extension of the Fermat principle of least time. The theoretical work is applied to problems in imaging and non-imaging optics.

### About the Speaker

Koby Rubinstein is a professor of mathematics and VP for research at the Technion. He is the recipient of the Landau prize in exact sciences, a fellow of the AAAS and a co-founder of Inray Ltd.

