Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On *Thursday, June ,6 2019*

At *11:10 − 12:00*

In *101-*

Eitan Bachmat (Ben-Gurion University)

will talk about

On the index of refraction of a distribution, lenses and probability.

Abstract: We will consider some basic optimization problems and how they relate to optics. We then define an index of refraction to any given distribution. We conjecture an estimate for the index and explain how its related to some natural operations research questions. We also consider lenses and ask questions about the probabilistic behavior of discrete geodesics in a lens setting.