

Gravitational Lensing Workshop

April 2, 2010 | USF, Tampa, FL, USA

Room: NES 104, 9 a.m. – 1 p.m.

Follows the Nagel Lecture by Professor Arlie O. Petters (Duke)
(math.usf.edu/outreach/nagle/petters/)



The bending of light due to gravitational effects is one of the famous predictions of Einstein's theory of general relativity, confirmed in 1919. In gravitational lensing, this phenomenon is used to reconstruct the source of light from the images observed.

The mathematical formulation of this problem has recently lead to surprising new results in complex analysis. This workshop will explore recent developments in this fascinating subject at the intersection between astrophysics, general relativity and mathematics.

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The organizers thank the Department of Mathematics and Statistics and the College of Arts and Sciences for sponsoring this event.

Speakers:

50 minutes talks:

Charles Keeton
(Rutgers)

Marcus Werner
(Duke)

Alexandre Eremenko
(Purdue)

20 minute talks

Amir Aazami
(Duke)

Alberto Teguiá
(Duke)

Organizers:

Dima Khavinson

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