

Richard Eager

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Education

- 2009 – present **PhD, Physics (expected June 2011)**, *University of California at Santa Barbara, Santa Barbara, CA.*
Advisor: David Morrison
- 2005–2009 **MS, Physics**, *University of California at Santa Barbara, Santa Barbara, CA.*
- 2001–2005 **BS, Mathematics and Physics with Honors**, *California Institute of Technology, Pasadena, CA.*

Teaching Experience

- 2005–Present **Graduate Teaching Assistant**, *UC Santa Barbara.*

Academic Awards and Honors

- 2002 **Morgan Ward Mathematics Prize**, California Institute of Technology.
- 2001–2005 **Axline Merit Scholarship**, California Institute of Technology.
- 2000 **Research Science Institute**, Massachusetts Institute of Technology.

Publications

R. Eager, “**Brane Tilings and Non-Commutative Geometry**,” arXiv:1003.2862 [hep-th]. Submitted to JHEP.

R. Eager, “**Equivalence of A-Maximization and Volume Minimization**,” arXiv:1011.1809 [hep-th].

R. Eager, M. Gary, and M. M. Roberts, “**Can you hear the shape of dual geometries?**,” arXiv:1011.5231 [hep-th].

Talks

Equivalence of A-Maximization and Volume Minimization, *IPMU iPC Seminar*, Kashiwa, Japan, Dec 8, 2010.

Quivers, Non-Commutative Geometry, and AdS/CFT, *IPMU Derived Category, Mirror Symmetry and McKay Correspondence Seminar*, Kashiwa, Japan, Oct 14, 2010.

Generalized Gauge Gravity Duality, *TASI Student Seminar*, Boulder, CO, June 7th, 2010.

Matrix Factorizations and Mirror Symmetry, *Talbot Workshop on Fukaya Categories*, Nags Head, NC, March 27, 2009.

A-Maximization and Quiver Minimization, *UCSB High Energy and Gravity Seminar*, Santa Barbara, CA, December 8, 2009.

Quiver Representations and D0/D2/D6 Bound States, *UCSB Geometry, Topology, and Physics Seminar*, Santa Barbara, CA, November 21, 2008.

3D $N = 4$ Supersymmetric Gauge Theories and Hyperkähler Metrics, *UCSB Geometry, Topology, and Physics Seminar*, Santa Barbara, CA, October 17th, 2008.

Conferences

Simons Workshop in Mathematics and Physics, *SUNY*, Stony Brook, NY, July 26-30, 2010.

Theoretical Advanced Study Institute in Elementary Particle Physics, *University of Colorado*, Boulder, CO, June 1-25, 2010.

Tropical Structures in Geometry and Physics, *MSRI*, Berkeley, CA, November 30 - December 4, 2009.

RTG Graduate Summer School - Geometry of Quantum Fields and Strings, *University of Pennsylvania*, Philadelphia, PA, June 8-20, 2009.

Talbot Workshop on Fukaya Categories, Nags Head, NC, March 22-28, 2009.

Number Theory and Physics at the Crossroads, *Banff International Research Station*, Alberta, Canada, September 21-26, 2008.

Prospects in Theoretical Physics, *Institute for Advanced Study*, Princeton, NJ, July 16 - 27, 2007.