

## Thomas J. Sinclair

### Contact info:

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### Education:

**Present** *Graduate Student / Fellow,*  
Center for Non-Commutative Geometry and Operator Algebras,  
Department of Mathematics, Vanderbilt University

**2006** *B.S., Mathematics with Honors,*  
Indiana University – Purdue University, Indianapolis (IUPUI)  
(degree granted by Purdue University)

### Awards:

**2006** *NSF Research Training Group Fellowship, Vanderbilt / NSF*  
*University Graduate Fellowship, Vanderbilt*  
*Chancellor's Scholar, School of Science, IUPUI*

**2005**  
*Yuri Abramovich Memorial Scholarship, IUPUI Mathematics*

**2004**  
*Anna K. Suter Scholarship, IUPUI Mathematics*  
*Frank G. Lambertus Memorial Scholarship, IUPUI School of Science*

### Presentations:

**2007**  
*Some Recent Results of Ozawa and Popa,*  
Vanderbilt RTG Seminar  
*Group Cocycles and the Ring of Affiliated Operators,*  
Vanderbilt Subfactor Seminar

**2006**  
*The Kadison-Kaplansky Conjecture for Free Groups,*  
Vanderbilt RTG Seminar

*Introduction to Homological Algebra for Groups and Algebras,*  
Vanderbilt NCG Seminar  
*Index Theory of Toeplitz Operators I & II,*  
Vanderbilt RTG Seminar  
*Toral Automorphisms,* IUPUI Graduate Student Seminar

**2005**

*Fermat's Last Theorem,*  
IUPUI Graduate Student Seminar

**2004**

*Cellular Automata on Amenable Groups,*  
IUPUI Dynamical Systems Seminar.  
*The Group Structure of Elliptic Curves,*  
IUPUI Graduate Student Seminar

**2003**

*Seifert Manifolds,*  
IUPUI Graduate Student Seminar

**Research interests:** *von Neumann Algebras, Ergodic Theory,*  
*Non-Commutative Ergodic Theory*