

Curriculum Vitae: Abhishek Banerjee

November 15, 2008

Personal Information

Email abanerje@math.jhu.edu
Citizenship India
Date of Birth September 8, 1984

Education

Current Status PhD expected: March, 2009
Fourth Year Graduate Student at
Johns Hopkins University.
• Advisor : Prof Caterina Consani.
• Qualifying Exams Passed: September 2005.
• Topic Exam Passed: September 2007.

Graduate School MA in Mathematics at
Johns Hopkins University,
Baltimore, MD. May, 2006.

Undergraduate School BStat(Hons) Ist Class with Distinction at
Indian Statistical Institute,
Calcutta, May, 2005.

Papers Published

[1] A Note on Regularity Properties with respect to Ideals: *Communications in Algebra, Vol 36 No. 3 pp 1067–1077.*

[2] Unique Factorization and Ring Extensions: *International Journal of Pure and Applied Mathematics, Vol 26 No.4 (2006).*

(contd.)

(As an undergraduate student at Indian Statistical Institute)

- Noetherian Rings, Dimension and Chain conditions: *American Journal of Undergraduate Research*, Vol 4, No. 3 (2005).
- Exactness, Tor and Flat modules over a Commutative Ring: *American Journal of Undergraduate Research*, Vol 3, No. 3 (2004).

Talks given

- “Periodicity in Cyclic Cohomology and Monodromy at Archimedean Infinity”: Noncommutative Geometry Conference. July 29, 2008. **Hausdorff Institute of Mathematics, Bonn.**
- “Periodicity in Cyclic Cohomology and Monodromy at Archimedean Infinity”: Noncommutative geometry and geometry over the field with one element May 17, 2008 **Vanderbilt University.**

Awards and Scholarships

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| 2005-2006 | Dean’s Graduate Research Award
from Krieger School of Arts & Sciences,
Johns Hopkins. |
| 2002-2005 | Student Fellowship from Indian Statistical
Institute, Calcutta. |
| 2002 | Cash award from Indian Statistical
Institute, Calcutta. |
| 2002 | Recipient of National Top 0.1% certification in Mathematics
from Central Board of Secondary Education (CBSE), India. |
| 2001 | Ranked 2-nd in Regional Mathematical Olympiad |
| 2000 | Ranked 3-rd in Regional Mathematical Olympiad |
| 2000-2005 | Recipient of KVPY fellowship
a National Science Fellowship Scheme
from Indian Institute of Sciences, Bangalore. |

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Programmes/ Conferences Attended

- *Number Theory and Physics*, **Erwin Schrödinger Institute, Vienna, March 2009** (invited).
- *Geometry and Physics*, Trimester Programme at **Hausdorff Institute for Mathematics, Bonn, May-July, 2008**.
- *Workshop on Noncommutative Geometry and the Field with one element*, **Vanderbilt University, May, 2008**.
- *Sixth Annual Spring Institute on Noncommutative Geometry and Operator Algebras*, **Vanderbilt University, May, 2008**.
- *Fifth Annual Spring Institute on Noncommutative Geometry and Operator Algebras*, **Vanderbilt University, May, 2007**.
- *Minicourse in $SL_2(\mathbb{R})$* (Sponsored by VIGRE); May 21 - June 2, 2006. Department of Mathematics, **University of Utah**.
- *Fourth Annual Spring Institute on Noncommutative Geometry and Operator Algebras*, **Vanderbilt University, May, 2006**.
- *Visitor, Dec 2004-Jan 2005*, **Tata Institute of Fundamental Research, Mumbai, India**.
- *Visiting Students' Research Programme, June-July, 2004* **Tata Institute of Fundamental Research, Mumbai, India**.
- *Summer Programme for KVPY fellows*, a National Science Fellowship scheme for students, July, 2002. **Satyendra Nath Bose National Centre for Basic Sciences, Calcutta, India**.
- *Summer Programme for KVPY fellows*, a National Science Fellowship scheme for students, May 2001. **Indian Institute of Science, Bangalore, India**.

Other Mathematical Activities

Graduate Student Topology Seminar on Operads and Monads, Spring 2008; organized with Michael Ching.

Graduate Student Topology Seminar on Model Categories and Homotopical Algebra, Fall 2007; organized with Michael Ching.

Graduate Student Topology Seminar on Formal Group Laws, Spring 2007; organized with Michael Ching.