

## Sucharit Sarkar

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CONTACT	3N, Hibben Apartments, Faculty Road, Princeton, NJ 08540 USA	<i>Phone:</i> (732)766-1019 (mobile) <i>E-mail:</i> sucharit@princeton.edu <i>Website:</i> math.princeton.edu/~sucharit
INTERESTS	Low dimensional topology.	
EDUCATION	Princeton University, USA Ph.D. student, Mathematics	2005 – present
	Indian Statistical Institute, India Bachelor of Mathematics	2002 – 2005
RESEARCH	Sucharit Sarkar. <i>A construction of knot Floer homotopy</i> . arXiv:0901.2156v1	
	Matt Hedden, András Juhász and Sucharit Sarkar. <i>Distinguishing Seifert surfaces using Floer homology</i> . arXiv:0811.0178v1	
	Sucharit Sarkar. <i>Maslov index of holomorphic triangles</i> . arXiv:math/0609673v2	
	Sucharit Sarkar and Jiajun Wang. <i>An algorithm for computing some Heegaard Floer homologies</i> . Annals of Mathematics, to appear.	
	Ciprian Manolescu, Peter Ozsváth and Sucharit Sarkar. <i>A combinatorial description of knot Floer homology</i> . Annals of Mathematics, to appear.	
	Sucharit Sarkar. <i>Commutators and squares in free groups</i> . Algebraic and Geometric Topology 4 (2004) 595 – 602	
AWARDS	Honorific fellowship, Princeton University	2008 – present
	Centennial fellowship, Princeton University	2005 – present
	Gold Medal for graduating top of undergraduate class.	2005
	KVPY scholarship, Govt. of India	2002 – 2005
	Silver medal, International Mathematical Olympiad (IMO), UK.	2002
	Gold medal, IMO, USA.	2001
TEACHING	Trainer for Putnam. (Fall 2008)	
	Teacher for calculus. <i>MAT 103</i> (Fall 2007), <i>MAT 104</i> (Spring, 2008)	
	Grader for multi-variable calculus. <i>MAT 201</i> (Fall 2006 and Spring 2007)	
INVITED TALKS	Gave talks at University of California, Los Angeles and Northwestern University. 2008	
	Invited speaker for Gokova Geometry and Topology Conference.	2007
	Invited speaker for Georgia Topology Conference.	
	Gave talks at University of Virginia, State University of New York, Buffalo, Princeton University and Columbia University. 2006	