Apurva Nakade

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Education		
	Ph.D. in Mathematics, Johns Hopkins University	-
	M.Sc. in Mathematics, Chennai Mathematical Institute	2012
	B.Tech. in Computer Science, IIT Kanpur	2010

Research

Manifold Calculus and the H-principle

Effect of increasing the energy gap between the two lowest energy states on the mixing time of the Metropolis algorithm (with Somenath Biswas)
Information Processing Letters, IPL4801 (2012.08.012)

Talks		
	Homotopy colimits and limits	
	European Autumn School in Topology	2017
	Manifold Calculus and the H-principle	
	AMS Special Session in Homotopy Theory	2017

Teaching		
	Prof. Joel Dean award for Excellence in Teaching in Mathematics	2016
	Direct Reading Program	2017
	USA/Canada Mathcamp, Mentor	2017
	Taught and designed courses and was a residential and academic advisor	
	Johns Hopkins University	2017
	designed and taught an intersession course titled *H2G2 Algebraic Topology*	

Service		
	Johns Hopkins University, Instructor	
	Honors Single Variable Calculus	2017
	Calculus II	2016
	Differential Equations	2015
	(Online) Linear Algebra	2014
	Johns Hopkins University, TA (2013 - 2017)	
	Calculus I, II and III, Hon. Linear Algebra, Hon. Multivariable Calculus	
	CMI, TA	2012
	Compact Riemann Surfaces, Advanced Algebra	

Conferences	Alpine Algebraic & Applied Topology Conference, Switzerland	2016
	WCATSS, University of Oregon, Eugene	
	GSTSC, Indiana University, Bloomington	
	Mid-Atlantic Topology Conference, Johns Hopkins University	
	Midwest Topology Seminar, Northwestern University	
	Geometry and Topology Conference, Lehigh University	2015
	Mid-Atlantic Topology Conference, University of Virginia	
	Midwest Topology Seminar, University of Illinois Chicago	
	Midwest Topology Seminar, Northwestern University	2014
	Modular invariants in Topology and Analysis, Regensburg	
	WCATSS on Field theories, UBC	
	Introductory Workshop on Algebraic Topology, MSRI	
	Joint Mathematical Meetings, Baltimore	
	Classification of Manifolds, NEHU	2013
	H-principle, Chennai Mathematical Institute	2012
	Groups and geometries, ISI, Bangalore	
	String Topology, Vivekananda University	
	Kervaire Invariant One, ISI, Kolkata	
	Number Theory workshop, Tezpur University	2011
	Lie algebras and their representations, CMI	
	Nurture camp, Institute of Mathematical Sciences	2007

Etc.	**IMO bronze medal**, Slovenia, highest scorer from India	2006
	2006, elegant solution award at IMO training camp	
	Cleared national astronomy olympiad and regional physics and chemistry olympiad	
	Cleared national mathematics olympiad in the ninth grade	
	National Talent Search Examination, (NTSE) scholarship	
	Kishore Vaigyanik Protsahan Yojana, (KVPY) scholarship	
	273 rank at Indian Institutes of Technology (IITs)	
	2009, Selected for ACM ICPC Kanpur regionals	