

**Jeffrey S. Case**  
CURRICULUM VITAE

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CONTACT INFORMATION	Department of Mathematics 6607 South Hall University of California Santa Barbara, CA 93106	<i>Phone:</i> (805) 636-4956 <i>E-mail:</i> casej@math.ucsb.edu <i>WWW:</i> <a href="http://math.ucsb.edu/~casej">http://math.ucsb.edu/~casej</a>
RESEARCH INTERESTS	Global Riemannian and Lorentzian geometry, conformal geometry, geometric analysis, mathematical general relativity	
EDUCATION	University of California, Santa Barbara, Santa Barbara, CA USA	
	Ph.D., Mathematics	Expected June 2010
	<ul style="list-style-type: none"><li>• Thesis: <i>Conformally warped manifolds and quasi-Einstein metrics</i></li><li>• Advisor: Xianzhe Dai</li></ul>	
	M.A., Mathematics	June 2007
	Minnesota State University, Mankato, Mankato, MN USA	
	B.S., Mathematics	May 2005
	B.S., Computer Science	May 2005
EMPLOYMENT	NSF Postdoctoral Fellow, Princeton University	September 2010–
FELLOWSHIPS & AWARDS	National Science Foundation	
	<ul style="list-style-type: none"><li>• Mathematical Sciences Postdoctoral Fellowship</li><li>• EAPSI Program, Visiting Monash University</li></ul>	2010-2012 Summer 2008
	University of California, Santa Barbara	
	<ul style="list-style-type: none"><li>• Graduate Division Dissertation Fellowship</li></ul>	Fall 2009
PUBLICATIONS AND PREPRINTS	“Compactness theorems for quasi-Einstein conformally warped manifolds,” in preparation.	
	“On the nonexistence of quasi-Einstein metrics,” accepted, <i>Pacific J. Math.</i> <a href="https://arxiv.org/abs/0902.2226">arXiv:0902.2226</a>	
	(with Yujen Shu and Guofang Wei), “Rigidity of quasi-Einstein metrics,” submitted, <i>Math. Ann.</i> <a href="https://arxiv.org/abs/0805.3132">arXiv:0805.3132</a>	
	“Singularity theorems and the Lorentzian splitting theorem for the Bakry-Emery-Ricci tensor,” <i>J. Geom. Phys.</i> 60 (2010), no. 3, 477–490.	
INVITED TALKS	Geometric Analysis Seminar, Princeton University	February 2010
	AMS Fall 2009 Western Section Meeting, UC Riverside	November 2009
TALKS	Differential Geometry Seminar, UC Santa Barbara	October 2008
	Analysis and Geometry Seminar, Monash University	July 2008
	Analysis and Geometry Seminar, Monash University	June 2008
	Differential Geometry Seminar, UC Santa Barbara	January 2008

CONFERENCES ATTENDED	General Relativity Workshop, SUNY Stony Brook	November 2009
	International Conference on Metric and Differential Geometry, China	May 2009
	Parabolic Geometry and PDE, Auckland, New Zealand	August 2008
	Southern California Geometric Analysis Seminar	2008–2010
SERVICE	Organized Student Geometry Seminar, UC Santa Barbara	2009–2010
TEACHING	UCSB (Teaching Associate)	
	• Math 3B, Integral Calculus	Summer 2009
	• Math 34A, Calculus for Life and Social Sciences	Summer 2007, Spring 2009
	UCSB (Teaching Assistant)	
	• Math 3A, Differential Calculus	Fall 2006
	• Math 3B, Integral Calculus	Winter 2007
	• Math 5A, ODEs and Linear Algebra	Spring 2006
	• Math 5B, Multivariable Calculus	Fall 2007, Winter 2008
	• Math 34A, Calculus for Life and Social Sciences	Winter 2006, Spring 2007 Spring 2008, Fall 2008
	• Math 34B, Calculus for Life and Social Sciences II	Fall 2005
	• Math 8, Introduction to Proof	Summer 2006