Contact Information	Computational algebra group, Department of Mathematics, Simon Fraser University, 8888 University Dr, Burnaby, BC, Canada, V5A1S6.	(306)341-4696, jha107@sfu.ca http://www.cecm.sfu.ca/~jha107	
Research Interests	Polynomials algorithms in Computer Algebra. gebraic structures.	Using Computer Algebra to study al-	
Education	September, 2010 to present: Department of Mathematics, Simon Fraser University		
	 Ph.D. Candidate, Pure Mathematics (expected December 2013) Thesis Topic: A parallel algorithm to compute the greatest common divisor of sparse multivariate polynomials. Supervisor: Michael Monagan 		
	September, 2007 to August, 2009: Department of Mathematics and Statistics, University of Saskatchewan		
	Master of Science in Mathematics, August 2009		
	Thesis Topic: Invariant Lie polynomials in two and three variables.Supervisor: Murray Bremner		
	September, 2004 to May, 2007: Department of Mathematics and Statistics, University of Saskatchewan		
	Honors, Bachelor of Science in Mathematics,	May 2007	
Priprints and Publications	Murray R. Bremner and Jiaxiong Hu, On Krush has rank at most 5, submitted 6 September 201	kal's theorem that every $3 \times 3 \times 3$ array 2.	
	Murray R. Bremner and Jiaxiong Hu, Canonical forms of small tensors over \mathbb{F}_2 , submitted 22 June 2012.		
	Murray R. Bremner and Jiaxiong Hu, <i>The fundamental invariants of</i> $3 \times 3 \times 3$ <i>array</i> , submitted 13 December 2011, accpeted 24 April 2012 by Mathematics of Computations.		
	Murray R. Bremner and Jiaxiong Hu, <i>Lie invariants in two and three variables</i> , sub- mitted 7 July 2010, accepted 27 January 2011 by Algebra Colloquium.		
	Jiaxiong Hu, Master thesis, <i>Invariant Lie polynomials in two and three variables</i> , University of Saskatchewan. August 2009.		
Conference Talks	Lie invariants in the natural representation of signing of the PRAIRIE NETWORK for Research	l(2) and $sl(3)$, The Third Annual Meet- in Mathematical Science, April, 2009.	
Other Talks	A parallel algorithm to compute the GCD of sparse multivariate polynomials, presen- tation for Ph.D thesis proposal exam, Simon Fraser University, August, 2012.		

	Computing inv tation in Comp	pariant Lie polynomials in the representation of $sl(2)$ and $sl(3)$, presen- puter Algebra Group, Simon Fraser University, January, 2010.			
	Complete redu University, Nor	<i>Complete reducibility of representation</i> , presentation in Lie Algebra course, Queen's University, November, 2009.			
	Root systems of University, Sep	Root systems of semi-simple Lie algebras, presentation in Lie Algebra course, Queen's University, September, 2009.			
	Fast Hermite I versity of Sask	Fast Hermite Normal Form algorithm, presentation in graduate course Math872, University of Saskatchewan, April, 2009.			
	Relation betwe Saskatchewan,	Relation between $SU(2)$ and $SO(3)$, presentation in Lie theory seminar, University of Saskatchewan, March, 2009.			
	Lie Invariants of Saskatchewa	Lie Invariants of degree 10, presentation in nonassociative algebras seminar, University of Saskatchewan, December, 2009.			
	Hall basis construction algorithm, presentation in nonassociative algebras serversity of Saskatchewan, September, 2009.				
	Finding prime Math872, Univ	s and the Solovay and Strassen test, presentation in graduate course versity of Saskatchewan, December, 2007.			
	Free groups, p March, 2007.	presentation in honour student seminar, University of Saskatchewan,			
	Topological Gro March, 2007.	oups, presentation in honour student seminar, University of Saskatchewan,			
Teaching Experience	Spring 2012 Spring 2011 Fall 2010 Fall 2009 Fall 2009 Fall 2009 Fall 2008 Summer 2008 Fall 2007 Summer 2007 Summer 2007 Fall 2007	Teaching Assistant, Algebra Workshop, Simon Fraser University Teaching Assistant, Algebra Workshop, Simon Fraser University Teaching Assistant, Calculus Workshop, Simon Fraser University Teaching Assistant, Math Help Centre, Queen's University Marker, Math221, Queen's University Teaching Assistant, Math110/124/226, University of Saskatchewan Teaching Assistant, Math110/123/225, University of Saskatchewan Teaching Assistant, Math110/123/225, University of Saskatchewan Teaching Assistant, Math116/124/224, University of Saskatchewan Teaching Assistant, Math116/124/224, University of Saskatchewan Teaching Assistant, Math116/124/224, University of Saskatchewan Marker, Math110/116, University of Saskatchewan Marker, Math110, University of Saskatchewan Marker, Math110, University of Saskatchewan Marker, Math110, University of Saskatchewan			
Financial Support	$\begin{array}{c} 2011-2012\\ 2010-2011\\ 2009-2010\\ 2009-2010\\ 2009-2010\\ 2008-2009\\ 2007-2008\\ 2006-2007\\ \end{array}$	Teaching/Researching assistantship, Simon Fraser University Teaching/Researching assistantship, Simon Fraser University Teaching/Researching assistantship, Queen's University Queen's University Scholarship, Queen's University International Student Scholarship, Queen's University Teaching/Researching assistantship, University of Saskatchewan Teaching/Researching assistantship, University of Saskatchewan Honors Student Scholarship, University of Saskatchewan			

Curriculum Vitae, Jiaxiong Hu, updated Sep, 2012, 2

Relevant Skills	Languages: Operation systems: Programming:	English, Chinese. Linux, Windows, Mac. Maple, C, Latex, HTML/CSS.
References	Murray Bremner, Professor, Department of Mathematics and Statistics, University of Saskatchewan, 106 Wiggins Road (McLean Hall), Saskatoon, SK, S7N 5E6, Canada. (306)966-6122, bremner@math.usask.ca.	

Michael Monagan, Professor, Department of Mathematics, Simon Fraser University, 8888 University Dr, Burnaby, BC, V5A 1S6, Canada. (778)782-4279, monagan@cecm.sfu.ca.