



***Kanta Gupta***  
***University of Manitoba***

***The 6th Krieger-Nelson Prize Lecture***  
***Le 6ème Prix de conférence Krieger-Nelson***

***Citation***

Kanta Gupta is a world-renowned group theorist. She is the world leader in the study of automorphisms in varieties of groups and algebras. She has proved a number of deep and fundamental results in this area, including the wildness of certain pro-unipotent automorphisms, using Fox derivatives. She has also obtained results of extraordinary significance on finitely based varieties of groups and group representations.

Kanta Gupta est une spécialiste de la théorie des groupes de renommée internationale. Elle est l'experte mondiale de l'étude des automorphismes dans les variétés de groupes et d'algèbres. Elle a prouvé plusieurs résultats fondamentaux et profonds dans ce domaine, portant notamment sur le caractère sauvage de certains automorphismes pro-unipotents, en utilisant les dérivées de Fox. Elle a également obtenu des résultats d'une importance exceptionnelle sur variétés de groupes de base finie et les représentations de groupes.

***Biographical Information***

Kanta Gupta (= Chander Kanta Gupta = C. K. Gupta) is professor of Mathematics at the University of Manitoba. She is a graduate of the Australian National University, Canberra where she earned M.A. (Hons.) and Ph.D degrees working in group theory under Prof. M. F. Newman. Her undergraduate education is from her home university of Jammu and Kashmir and she also holds a Master's degree in Mathematics from the Aligarh University, India. Kanta Gupta has been a principal speaker in most international conferences in Group Theory. She has held short visiting positions at various mathematics institutions abroad (e.g. Steklov, Brasilia, Rome, Napoli, Ruhr, TIFR, Athens and more) and has collaborated successfully with many researchers at home and abroad. She holds many academic distinctions including her election in 1991 as Fellow of the Royal Society of Canada.

The CMS Prize Lectureship for Distinguished Research by Women in Mathematics was instituted in 1995 in recognition of outstanding research by a female mathematician. This award is presented in conjunction with the Canadian Mathematical Society's Summer Meeting.

Le prix de conférence SMC pour la recherche par les femmes en mathématiques, créé en 1995, rend hommage aux mathématiciennes qui se sont distinguées par leur apport exceptionnel à la recherche en mathématiques. Elle est présentée dans le cadre de la réunion d'été de la Société mathématique du Canada.

***Recipients / Récipiendaires***

2000	Kanta Gupta	1997	Cathleen Synge Morawetz
1999	Nicole Tomczak-Jaegermann	1996	Olga Kharlampovich
1998	Catherine Sulem	1995	Nancy Reid