

## SOUTH AFRICAN DOCTORATES IN MATHEMATICS EDUCATION

NAME	YEAR	TITLE	ACCREDITING INSTITUTION
Adler, Jillian Beryl	1996	Secondary school teachers' knowledge of the dynamics of teaching and learning mathematics in multilingual classrooms	University of the Witwatersrand
Barnard, Stefanus van Doyen	2004	An investigation into the impact of the use of an integrated learning system on mathematics standard grade paper 2 marks of grade 12 learners of one high school in the Nelson Mandela Metropolitan area	Port Elizabeth Technikon
Berger, Margot	2003	The appropriation of mathematical objects by undergraduate mathematics students: A study	University of the Witwatersrand
Boyden, Elaine	1994	Die didaktiese implikasies van die Van Hiele-vakke van denke in meetkunde vir skool wiskunde in Suid-Afrika	University of South Africa
Bopape, Mathume Enoka	2002	Mathematics school based in-service training (SBINSET): a Study of factors contributing towards success or failure of SBINSET in the South African schools context	Aalborg University (Denmark)
Boshoff, Hendrik Herklaas	2002	An action research study focused on improving the mathematical problem solving performance of some learners in grade five, for a specific problem type	University of Port Elizabeth
Brodie, Karin Michelle	2005	Textures of talking and thinking in secondary mathematics classroom	Stanford University (CA, USA)
Carr, Benjamin Alan	2002	Information, knowledge and learning: is the Web effective as a medium for mathematics teaching	University of Pretoria
Chetty, Devanathan	1991	Mathematics anxiety among Indian primary school children	University of Pretoria
Cronje, Lefina Susanna	1995	Euclidean geometry: cognitive gender differences	University of the Witwatersrand
Cupido, Aderne John Jeremy	1972	Programmed instruction as a teaching method for mathematics at junior level in high schools	University of the Western Cape
De Villiers, Michael David	1990	Leerlinge se betekenisgewing aan bewusvoering en verwante wiskundige prosesse	University of Stellenbosch

Fillis, Ismail Nicholas	2001	Mathematics subject didactics through distance education: primary classroom practice emanating from critical pedagogy	University of the Western Cape
Geevers, Theodor Friedrich	1944	The syllabus of Transvaal secondary school mathematics: a historical and critical study	University of Pretoria
Goosen, Leilani	2004	Criteria and guidelines for the selection and implementation of a first programming language in high schools	Potchefstroom Universiteit
Graven, Mellony Holm	2002	An investigation of teachers learning to become professionalized mathematics teachers: The centrality of confidence	University of the Witwatersrand
Haykey, Peter Leonard	1995	Mathematics anxiety as a variable in the constructivist approach to the teaching of secondary school mathematics	University of South Africa
Hockman, Meria	2001	The development of levels of awareness of senior mathematics students through direct engagement with the mathematical subject and pedagogical matter	University of the Witwatersrand
Howie, Sarah	2002	English language proficiency and contextual factors influencing mathematics achievement of secondary school pupils in South Africa	Universiteit Twente (Enschede, Netherlands)
Ilseley, Jeffrey Robert	1988	Mathematics and physical science choices made by pupils in selected Eastern Cape high schools: an investigation into the factors influencing the different choice patterns of boys and girls	Rhodes University
Jiva, Mirriam Angelinah	2001	Effects of an innovative geometry programme on achievement in geometry and attitude toward mathematics of grade 12 African students in rural high school settings	University of the Western Cape
Khuzwayo, Herbert Bhekumusa	2000	Selected views and critical perspectives: An account of mathematics education in South Africa from 1948 to 1994	Aalborg University (Denmark)
Kiely, Joseph H.	1990	Success and failure in mathematics among standard seven students in the Bafokeng region of Bophuthatswana	University of the Witwatersrand

Kruger, Aletta Susanna	2000	Begeleide leer vir adolessente met ontoereikende wiskunde-prestasie	Rand Afrikaans University (Jhb)
Lubisi, Reginald Cassius	2000	An investigation into mathematics teachers' perceptions and practices of classroom assessment in South African lower secondary schools	University of Nottingham (UK)
Maharaj, Aneshkumar	2005	Investigating the senior certificate mathematics examination in South Africa: implications for teaching	University of South Africa
Mahlomaholo, Geoffrey	1998	Signification of African cultural identity, individual African identity and performance in mathematics among some standard nin African pupils in Mangaung high schools	University of the Western Cape
Maree, Jacobus Gideon	1997	The development and evaluation of a study questionnaire in mathematics	University of Pretoria
Marsh, Terence Anthony	1990	The computer in secondary school mathematics : an analysis and classification of possible modes of application, with suggested implications for the mathematics curriculum in South Africa	Rhodes University
Mathe, Mduduzi Maphindikazi	1997	Attitudes and achievement in mathematics in Soweto senior secondary schools	Rand Afrikaans University (Jhb)
Mbekwa, Osmond Monde	2002	Social science pre-service teachers' mathematical activity in a technology intensive matheamtics classroom	University of the Western Cape
Mentz, Elsa	2000	Rekenaartegnologie-opleiding vir onderwysers: 'n uitkomsgebaseerde beandering	Potchefstroom Universiteit
Metrowich, Thomas Peter	1991	Computer-assisted instruction and teacher inservice education in mathematics in primary schools for black children	University of the Witwatersrand
Mogari, David	2002	An ethnomathematical approach to the teaching and learning of some geometrical concepts	University of the Witwatersrand
Mokhaba, Mmori Benjamin	1993	The application of the activity principle in mathematics teaching: a strategy for teacher training	University of South Africa
Mokhaba, Mmori Benjamin	2005	Outcomes-based education in South Africa since 1994: Policy objectives and implementation complecities	University of Pretoria

Moodley, Manikam	2004	Problem solving in the mathematics classroom: A reflective approach	Aalborg University (Denmark)
Mosimege, Mogege David	2001	The potential of the use of cultural specific games in school mathematics	University of the Western Cape
Moyana, Hlengani Jackson	2000	An intervention programme to improve the self-concept and attitudes of prospective mathematics teachers	University of South Africa
Mpofana, Wilberforce Siyabonga	1993	Aspects of pre-service and in-service training of mathematics teachers in KwaZulu: a didactical survey	University of the Free State
Mudaly, Vimolan	1994	The role and use of sketchpad as a modeling tool in secondary school	University of KwaZulu-Natal
Nakin, John-Baptiste	2003	The influence of creativity and divergent thinking on the performance of grade 7 geometry learners	University of South Africa
Nieuwoudt, Herculius David	1998	Beskouings oor onderrig: implikasies vir die didaktiese skoling van wiskundeonderwysers	Potchefstroom Universiteit
Rambehari, Hiranman	1996	An evaluation of the efficacy of the aims and objectives of the senior certificate mathematics curriculum	University of South Africa
Sambo, Risimati Phineas	2003	Ethnomathematical approach to learner centred classroom mathematics	University of the Witwatersrand
Schafer, Marc	2003	The impact of learners' spatial capacity and world views on their spatial conceptualization: a case study	Curtin University (Perth, AUS)
Seopo-Sengwe, Mmamapalo Elinah	2001	Media integration in the teaching of mathematics in the Pre-primary and Primary schools	University of South Africa
Setati, Mamokgethi	2002	Language practices in intermediate multilingual mathematics classroom	University of the Witwatersrand
Setidisho, O. H.	1965	An empirical study of mathematical ability in school children	University of South Africa
Sibaya, Duduzile Chrisinah	1999	Learners with learning difficulties in mathematics: attitudes, curriculum and methods of teaching mathematics	Rand Afrikaans University (Jhb)
Smith, Edward Charles	2000	Reconceptualising mathematics teaching and learning: teacher learning in a realistic mathematics context	University of the Western Cape

Smith, J. C.	1985	Die ontwikkeling van wiskundige leesbekwaamheid by Afrikaanssprekende onderwyserskollegestudente	University of Stellenbosch
Swanepoel, Jonathan	1994	Classroom-cultural-shift: implications for curriculum, socio-constructivism, and teaching	Cornell University (Ithaca NY, USA)
Taylor, Cedric Allen	1974	n Didakties-pedagogiese verantwoordings van die wiskunde-syllabus	University of Port Elizabeth
Taylor, Nicholas Christopher	1990	Making sense of children making sense: Imagery, educational television and mathematical knowledge	University of the Witwatersrand
Van Der Sandt, Suriza	2003	The relationship between teachers' knowledge of geometry and the teaching and learning of geometry	Potchefstroom Universiteit
Van Der Watt, Runa	1999	Evaluering en assessering in wiskunde-onderrig	Rand Afrikaans University (Jhb)
Van Niekerk, Helena Margaretha	1997	A subject didactical analysis of the development of the spatial knowledge of young children through a problem-centred approach to mathematics teaching and learning	Potchefstroom Universiteit
Van Staden, Pieter Schalk	1999	Onderrig van wiskunde met formele bewystegnieke	University of South Africa
Van Zyl, Abraham Johannes	1942	Mathematics at the cross-roads: a critical survey of the teaching of mathematics in the secondary schools of the Union of South Africa with suggestions for reorganization	Columbia University (New York, USA)
Vassiliou, Colleen Patricia	2003	The development of a mathematics proficiency test for English-, Afrikaans-, and Sesotho-speaking learners	University of the Free State
Volmink, John David	1988	Acquisition of concepts and constructions of meaning in geometry	Cornell University (Ithaca NY, USA)
Wallace, Stuart Donald	1990	The development of a multilevel problem-solving programme in mathematics for the primary school	University of Natal
Wendt, Gabriele Erika	2000	An investigation of learners' perceptions of homework in relation to the learning of mathematics: case studies in the northern townships of Port Elizabeth	Rhodes University