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Positive representations on ordered Banach spaces

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Curriculum Vitae

Miek Messerschmidt was born in Vanderbijlpark, South Africa on July 15, 1984. He matriculated from Vanderbijlpark's Hoërskool Transvalia in 2002. In 2003 he enrolled at the University of Pretoria and graduated in 2005 with a bachelor's degree in Physics (cum laude) with elective subjects chosen from Mathematics, Computer Science and Chemistry. In 2006 he completed his honours degree in Applied Mathematics (cum laude), also at the University of Pretoria. In 2007 he spent six months attempting to teach mathematics to high school students at Carpe Diem Academy in Pretoria, before commencing his master's studies at Utrecht University in the fall of 2007. In 2009 he received his MSc (cum laude) in Mathematical Sciences from Utrecht University, with master's thesis titled *Induced transformations generalized to non-commutative ergodic theory* under the supervision of dr. Karma Dajani. In 2009 he commenced work toward gaining his PhD at Leiden University under supervision of dr. Marcel de Jeu, which culminated in this thesis. During this time he also assisted in the teaching of a number of bachelor's and master's level courses, including the national master course on functional analysis. He attended and spoke at numerous functional analysis seminars in Leiden and Delft and organized the seminar *General ordered vector spaces* in 2012. He gave contributed talks at international conferences in Tianjin, China; Athens, Greece; and Leiden, The Netherlands. During the final stages of writing this thesis in 2012–2013, he also served on the organizing committee of the international conference *Positivity VII* held in Leiden in July 2013.

In 2014 he will begin post-doctoral research at the North West University in Potchefstroom, South Africa under guidance of prof. dr. Sanne ter Horst.