# Analysis Seminar

## Quantisations of Ordered*-Spaces

**By**


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**Abstract:** An ordered *-space is a complex vector space endowed with an involution and a strict cone, with certain compatibility conditions. A quantisation of an ordered *-space Z is a sequence of strict cones in M_n(Z), the tensor product of the C*-algebra of n x n complex matrices with Z, with certain compatibility conditions. We show that to any ordered *-space one can associate a weak quantisation (the largest) and strong quantisation (the smallest) and that these have certain universality properties. In the end we comment on some problems in quantisations of topologically ordered *-spaces.


**Date:** Tuesday, October 23, 2018

**Time:** 16:00-17:00

**Place:** Mathematics Seminar Room, SA – 141

**Tea and cookies will be served before the seminar.**