



Department of Mathematics

Colloquium

Melissa Tacy

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Semiclassical Analysis in PDE

Abstract: Semiclassical analysis arose as a set of techniques for studying the high energy (or semiclassical) limit of quantum mechanics. These techniques however can be used for a wide range of problems in PDE that feature a large (or small) parameter. In this talk I will discuss some of the applications of semiclassical analysis and the institutions that drive this theory.

About the Speaker: Dr. Melissa Tacy completed her PhD from the Australian National University in 2010. Directly following this she spent four years in the USA first as a postdoctoral member at the IAS and then as a Boas Assistant Professor at Northwestern University. On her return to Australia she worked first as a lecturer at the University of Adelaide and is now a research Fellow at the Australian National University. Her research area sits at the intersection of the semiclassical analysis and harmonic analysis.

Thursday February 9, 2017

SH382 11:00 – 12:00 PM

(Refreshments will be served)

