



T H E F I E L D S I N S T I T U T E

Workshop on Mathematical Methods of Quantum Tomography

February 19 – 22, 2013

FIELDS INSTITUTE

The objective in quantum tomography is to reconstruct the density matrix of a quantum state using “probes” (theoretical or experimental). The density matrix is a generalization of the quantum state vector that evolves following the Schrödinger equation of quantum mechanics. The solution to problems in this field are also of interest beyond the immediate quantum tomographic community as they are essential for a better understanding of quantum information processes and the prospective construction of a quantum computer. The objective of the Workshop is to gather experts and students working in the development and applications of mathematical tools for quantum tomography and related problems.

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For more information, please visit: www.fields.utoronto.ca/programs/scientific/12-13/quantumtom



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