THE FIELDS INSTITUTE

FOR RESEARCH IN MATHEMATICAL SCIENCES

ABSTRACTS 1.2

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The semigroup generated by a similarity orbit or a unitary orbit

Let A be an invertible operator on Hilbert space H such that A is not a scalar modulo the compacts. The multiplicative semigroup generated by the similarity orbit of A or the unitary orbit of A is the general linear group on H. (joint work with C. K. Fong)