THE FIELDS INSTITUTE

FOR RESEARCH IN MATHEMATICAL SCIENCES

ABSTRACTS 1.2

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Local derivations and local automorphisms

Let \mathcal{L} be a completely distributive commutative subspace lattice. We show that if δ is a local derivation from $alg\mathcal{L}$ into itself, then δ is a derivation. We also obtain some algebras with the property every 2-local automorphism is an automorphism.