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Master Thesis Defense

Entitled

Flow of quantum genetic Lotka-Volterra algebras on $M_2(\mathbb{C})$

by

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Date & Venue

11:00 AM

Sunday, 12/12/2021

Link: <https://eu.bbcollab.com/guest/fab14b7601ea45a8aea11334674260c8>

Abstract: In this thesis, a class of flow quantum Lotka-Volterra genetic algebras (FQLVG-A) is investigated and its structure is studied. Moreover, the necessary and sufficient conditions for the associativity and alternatively of FQGLV-A are derived. In addition, idempotent elements in FQGLV-A are found. Also, derivations of a class of FQLVG-A are described. Also, the automorphisms of a class of FQLVG-A and their positivity are examined.

Keywords: Flow quantum Lotka-Volterra genetic algebras, Jordan algebra, associativity, idempotent, derivation, automorphism.