

International Conference and Advanced Workshop on Modelling and Simulation of Complex Systems



Contribution ID: 31

Type: **not specified**

EXISTENCE OF SOLUTION OF IMPULSIVE QUANTUM STOCHASTIC DIFFERENTIAL INCLUSIONS USING NON FIXED POINT APPROACH

Monday, 27 May 2024 15:25 (10 minutes)

We observed that Impulsive Quantum Stochastic Differential Inclusion (IQSDI) may not have solution even if it is Lipschitz continuous because of the limiting condition imposed on the impulsive term t_k . We impose an extra regularity condition on t_k and establish solution using minimal selection theorem. QSDI in this work is in the framework of Hudson and Parthasarathy developed quantum stochastic calculus on Boson Fock space

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Session Classification: Technical session 1

Track Classification: Mathematics: Applied mathematics