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

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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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