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Entitled

REPRODUCING KERNEL METHOD FOR SOLVING FUZZY INITIAL VALUE PROBLEMS

by

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Date & Venue

5:00 pm

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https://eu.bbcollab.com/guest/d20b27e564fe4b188554c38d26e28c89

Abstract:

In this thesis, numerical solution of the fuzzy initial value problem will be investigated based on the reproducing kernel method. Problems of this type are either difficult to solve or impossible, since they will produce a complicated optimized problem. To overcome this challenge, reproducing kernel method will be modified to solve this type of problems. Theoretical and numerical results will be presented to show the efficiency of the proposed method.

Keywords: Fuzzy initial value problems, Convergence, Reproducing kernel method.