عنوان مقاله:

General Solution for Fuzzy Linear Second Order Differential Equation Using First Solution

محل انتشار:

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نویسنده:

Laleh Hooshangian - *Department of Mathematics, Dezful Branch, Islamic Azad University, Dezful, Iran*.

خلاصه مقاله:

The fuzzy linear second order equations with fuzzy initial values are investigatedin this paper. The analytic general solution solutions of them usinga rst solution is founded. The parametric form of fuzzy numbers is appliedto solve the second order equations. General solutions for fuzzy linear secondorder equations with fuzzy initial values are investigated and formulatedin four cases. A example is solved to illustrate method better and solutionsare searched in four cases under Hakuhara derivation. Finally the solutions ofexample are shown in gures for four cases.

کلمات کلیدی:

Linear differential equation, Fuzzy initial values, First solution, General solution