ULAM–HYERS STABILITY FOR MATRIX–VALUED FRACTIONAL DIFFERENTIAL EQUATIONS

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Abstract. In this paper, some Ulam-Hyers stability results for matrix-valued fractional differential equations are obtained. We also establish some sufficient conditions for the stability of matrix-valued fractional differential equations.


Keywords and phrases: Mittag-Leffler matrix, matrix-valued fractional differential equation, Ulam–Hyers stability.

REFERENCES


