EXISTENCE THEORY AND STABILITY RESULTS FOR $\psi$–TYPE COMPLEX–ORDER IMPLICIT DIFFERENTIAL EQUATIONS

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Abstract. This paper concerns the existence and stability results for $\psi$-type complex-order implicit differential equations with boundary conditions. The results are based on the Banach contraction mapping principle. An example is presented to illustrate the main results.


Keywords and phrases: $\psi$-fractional derivative, boundary value problems, implicit differential equations, existence, stability.

REFERENCES