

FRACTIONAL ORDER DIFFERENTIAL INCLUSIONS ON THE HALF-LINE

Mouffak Benchohra and Naima Hamidi

Abstract. We are concerned with the existence of bounded solutions of a boundary value problem on an unbounded domain for fractional order differential inclusions involving the Caputo fractional derivative. Our results are based on the fixed point theorem of Bohnnenblust-Karlin combined with the diagonalization method.

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Mouffak Benchohra
Laboratory of Mathematics,
University of Sidi Bel Abbès,
P.O Box 89, Sidi Bel-Abbès, 22000,
Algeria.
e-mail: benchohra@univ-sba.dz

Naima Hamidi
Laboratory of Mathematics,
University of Sidi Bel Abbès,
P.O Box 89, Sidi Bel-Abbès, 22000,
Algeria.
e-mail: hamidi.naima@yahoo.fr
