

SECOND ORDER RETARDED DIFFERENTIAL INCLUSIONS IN BANACH SPACES AND HENSTOCK-LEBESGUE INTEGRAL

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Abstract. The aim of this paper is to obtain the existence of continuous solutions for a second order retarded differential inclusion under some hypothesis of Henstock-Lebesgue integrability. Also, some compactness properties in the sense of Sobolev-type spaces are given.

Keywords: retarded differential inclusion, Henstock integral.

AMS Subject Classification: 49K25, 47H10, 28B05, 28B20.

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