

SOLVABILITY FOR ITERATIVE SYSTEMS OF HADAMARD FRACTIONAL BOUNDARY VALUE PROBLEMS

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Abstract. In this paper, we consider an iterative system of Hadamard fractional boundary value problems. The sufficient conditions are derived for the existence of at least one positive solution by utilizing Guo–Krasnosel’skii fixed point theorem. The obtained results in the paper are illustrated with an example for their feasibility.

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