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GENERALIZATIONS OF SPECIAL BIHARI TYPE INTEGRAL INEQUALITIES

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Abstract. In this paper we consider Bihari type integral inequalities in measure spaces. We give explicit bounds for the solutions under very weak conditions. The studied inequality essentially contains all inequalities of similar forms that was considered previously, the results and the proofs give a unified approach of the problem. The results are applied to establish the existence of a solution to the integral equation corresponding to the integral inequality.

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