THE REVERSED HARDY–LITTLEWOOD–SOBOLEV
TYPE INTEGRAL SYSTEMS WITH WEIGHTS

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Abstract. This paper is concerned with the existence of positive entire solutions of a weighted integral system. Such a system comes from the conformal properties of the reversed Hardy-Littlewood-Sobolev inequality. Several sufficient conditions of the existence/nonexistence are presented.

Keywords and phrases: Reversed Hardy-Littlewood-Sobolev inequality, weighted Hardy-Littlewood-Sobolev inequality, integral system, existence of positive solution.

REFERENCES


