ON SOME CONVOLUTION NORM INEQUALITIES IN WEIGHTED $L_p(\mathbb{R}^n, \rho)$ SPACES AND THEIR APPLICATIONS

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**Abstract.** In this paper, we give the inequalities in convolutions in weighted $L_p(\mathbb{R}^n, \rho)$ spaces and their important applications to partial differential equations and integral transforms.


**Keywords and phrases:** Convolution, inequality, weighted $L_p$ norm, Green function, integral transform, partial differential equations.

**REFERENCES**