

A REFINEMENT OF JENSEN'S DISCRETE INEQUALITY AND APPLICATIONS

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ABSTRACT. We establish some new refinements of Jensen's discrete inequality in linear spaces setting that generalize results in [1] and [2]. Applications in normed spaces are also given.

REFERENCES

- [1] N. S. BARNETT AND S. S. DRAGOMIR, *On Some Inequalities for Convex Functions with Applications in Normed Spaces*, RGMIA Research Report Collection, 10(1), Article 16, 2007.
- [2] S. S. DRAGOMIR, *A refinement of Jensen's inequality with applications for f -divergence measures*, RGMIA Research Report Collection, 10(E), Article 15, 2007.