JIAZU ZHOU, Southwest University / China
Sharp convex mixed Lorentz-Sobolev inequality

A sharp convex mixed Lorentz-Sobolev inequality, the functional version of an L_p Minkowski inequality, is obtained. The new sharp convex mixed Lorentz-Sobolev inequality generalized the sharp convex Lorentz-Sobolev inequality of Ludwig-Xiao-Zhang. This is a joint work with N. Fang, W. Xu and B. Zhu.