

1096-46-606

Dongyang Chen and **Bentuo Zheng*** (bzheng@memphis.edu), Department of Mathematical Sciences, University of Memphis, Memphis, TN 38152. *Lipschitz p -nuclear operators from a finite metric space into a Banach space.*

Let T be a Lipschitz mapping from a finite metric space X into a Banach space Y . We show that the Lipschitz p -nuclear norm and the Lipschitz p -integral norm of T coincide. Moreover, we give an upper estimate of the Lipschitz p -nuclear norm of T in terms of the cardinality of X and the Lipschitz norm of T . A different upper estimate of the Lipschitz p -nuclear norm of T is obtained when Y is 2-uniformly convex. (Received September 07, 2013)