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Meijun Zhu*, mzhu@ou.edu. *Integral equations on bounded domains.*

In this talk, I will introduce some new integral equations on a bounded domain that are closely related to the study of sharp Hardy-Littlewood-Sobolev inequality. Existence results as well as non-existence results will be discussed. This is a joint work with Jingbo Dou. (Received March 06, 2017)