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Liwei Chen*, chen.1690@osu.edu. *Regularity of the weighted Bergman projection on the Hartogs triangle.*

We study the L^p and L^p -Sobolev regularity of the weighted Bergman projection on the Hartogs triangle, where the weight is any real power of the distance away from the singularity. We also introduce the exponential weight, which can be considered as the limiting case. (Received August 31, 2015)