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i-kun chen* (ichen@mail.umd.edu), 7703 Adelphi Rd, Hyattsville, MD 20783. *Spherical Averaged Endpoint Strichartz Estimate for the Two-dimensional Schrödinger Equation with Inverse Square Potential.*

It was proven by T. Tao that the endpoint Strichartz estimates for two dimensional free Schrödinger equation can be recovered by averaging the solution in L^2 in the angular variable. For Schrödinger equation with defocusing inverse square potential, we show that the homogeneous endpoint estimates hold under this setting. In particular, the original versions of these estimates hold for radial data. (Received September 08, 2008)