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Michael Goldberg* (goldbem1@ucmail.uc.edu). *Time-weighted Strichartz inequalities.*

The original Strichartz estimate for solutions of the linear Schrödinger equation is a dual statement of the Stein-Tomas restriction theorem for the paraboloid. It provides L^p decay over time but without an explicit polynomial rate. Using similar principles, we prove that the time-weighted solution $te^{-it\Delta}u_0(x)$ can be approximated by a single unweighted solution, with the remainder controlled by a Strichartz-like bound. This is joint work with Dmitriy Stolyarov. (Received February 09, 2018)