

LONG TIME STRICHARTZ ESTIMATES ON IRRATIONAL TORI

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Recently Bourgain-Demeter proved the sharp (time-one) Strichartz estimates for the linear Schrodinger equation on general rectangular tori. These estimates are optimal in the rational case, but for irrational tori the same estimates actually hold on longer time intervals. In this talk we will discuss progress in this direction, and, if time permits, some applications to NLS equations. This is joint work with P. Germain and L. Guth.