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Matthew D Blair* (blair@math.unm.edu). *On Strichartz and localized energy estimates for dispersive equations in domains.*

We consider Strichartz estimates for wave and Schrödinger equations, which are a family of space time integrability estimates that rely on the dispersive effects of the solution map. While such estimates are reasonably well understood in Euclidean space, less is known about their validity in domains, where the imposition of boundary conditions affect the flow of energy. We discuss recent progress in establishing scale invariant Strichartz estimates in domains with a strictly concave boundary, highlighting their connection with a family of localized energy estimates. (Received September 02, 2014)