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Matthew D Blair* (blair@math.unm.edu). *On Strichartz and localized energy estimates in exterior 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 will review positive results in this area, including a joint work with H. Smith and C. Sogge. Furthermore, for strictly concave domains, we will examine the role of a family of localized energy estimates in establishing these inequalities. (Received February 10, 2014)