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Dispersion estimates for the wave and the Schrodinger equations outside strictly convex obstacle

We consider a (general) strictly convex domain in R^d of dimension d>1 and we describe dispersion for both wave and Schrödinger equations with Dirichlet boundary conditions. If d=2 or d=3 we show that dispersion does hold like in the flat case, while for d>3, we show that there exist strictly convex obstacles for which a loss occur with respect to the boundary less case (such an optimal loss is obtained by explicit computations). This is a joint work with Gilles Lebeau.