

**DISPERSIVE ESTIMATES FOR WAVES IN A GENERAL  
CONVEX DOMAIN  
WITH O.IVANOVICI, G. LEBEAU, AND F. PLANCHON**

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In this paper one proves the optimal dispersive estimates for the wave equation in a general convex domain. The Friedlander model case has been treated by Ivanovici-Lebeau-Planchon (Annals of Math, 2014). Our method is based on a parametrix construction, and on degenerate phase estimates. We namely refer to Eskin, Melrose-Taylor, and Zworski, for the parametrix construction and to Melrose for the classification of glancing hypersurfaces.