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[[Zworski, M.](#)]

**Density of resonances for strictly convex analytic obstacles. With an appendix by M. Zworski.** (English) [Zbl 0863.35072](#)  
*Can. J. Math.* 48, No. 2, 397-447 (1996).

The author estimates the density of resonances close to a critical curve, for strictly convex obstacles with analytic boundary. Contrary to the  $C^\infty$  case, already treated in [the author and *M. Zworski*, [1] *Ann. Inst. Fourier* 43, No. 3, 769-790 (1993; [Zbl 0784.35073](#)) and [2] *Ark. Mat.* 33, No. 1, 135-172 (1995; [Zbl 0839.35095](#))], the estimates are in terms of dynamical quantities. The appendix of Zworski is devoted to some improvement of [2] based on the techniques presented in the paper under review.

Reviewer: [B.Helffer \(Orsay\)](#)

**MSC:**

[35P15](#) Estimates of eigenvalues in context of PDEs  
[35P25](#) Scattering theory for PDEs

Cited in **2** Reviews  
Cited in **13** Documents

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