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Harnack's inequality for degenerate Schrödinger operators. (English) Zbl 0685.35020

Trans. Am. Math. Soc. 312, No. 1, 403-419 (1989).

Author's abstract: We prove a Harnack inequality for nonnegative weak solutions of certain Schrödinger equations of the form $Lu - Vu = 0$ where L is a second order degenerate elliptic operator in divergence form and V is a potential in certain class.

Reviewer: R.Weikard

MSC:

[35B45](#) A priori estimates in context of PDEs

[35J70](#) Degenerate elliptic equations

[35J10](#) Schrödinger operator, Schrödinger equation

[42B99](#) Harmonic analysis in several variables

[46E35](#) Sobolev spaces and other spaces of "smooth" functions, embedding theorems, trace theorems

Cited in **30** Documents

Keywords:

[Harnack's inequality](#)

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