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On the regularity up to the boundary in the Dirichlet problem for degenerate elliptic equations. (English) [Zbl 0681.35021](#)

Trans. Am. Math. Soc. 313, No. 1, 317-329 (1989).

Regularity up to the boundary of solutions to certain factorizable second order degenerate elliptic equations in the plane satisfying Dirichlet boundary conditions are derived. This follows from the regularity up to the boundary for some pseudodifferential equations, using parametrices of the Cauchy problem for the associated heat equation.

Reviewer: [M.Langlais](#)

MSC:

35D10 Regularity of generalized solutions of PDE (MSC2000)

35J70 Degenerate elliptic equations

35J25 Boundary value problems for second-order elliptic equations

35S99 Pseudodifferential operators and other generalizations of partial differential operators

Cited in 1 Document

Keywords:

[associated heat equation](#)

Full Text: [DOI](#)

References:

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