

Taylor, J. C.

The Martin compactification associated with a second order strictly elliptic partial differential operator on a manifold M . (English) [Zbl 0985.31003](#)

Taylor, J. C. (ed.), Topics in probability and Lie groups: boundary theory. Providence, RI: American Mathematical Society (AMS). CRM Proc. Lect. Notes. 28, 153-202 (2001).

The general goal of the paper under review is to present a self-contained discussion on Martin's theorem about integral representation of positive harmonic functions on a domain D of \mathbb{R}^n , in the context of the theory of second order partial differential operators with Hölder continuous coefficients.

For the entire collection see [\[Zbl 0970.00015\]](#).

Reviewer: [Dian K.Palagachev \(Bari\)](#)

MSC:

31C12 Potential theory on Riemannian manifolds and other spaces

31C35 Martin boundary theory

58J05 Elliptic equations on manifolds, general theory

Cited in **5** Documents

Keywords:

[Martin compactification](#); [Riemannian manifold](#); [Green function](#); [Harnack inequality](#)