
Superharmonic Functions Brelot Spaces Alakhrass

quasi superharmonic functions in brelot spaces - hikari - quasi superharmonic functions in brelot spaces 53 some important properties of the reduced functions are summarized in the following proposition.

superharmonic functions outside negligible sets - a study of quasi superharmonic functions in brelot spaces is introduced. a characterization of quasi superharmonic functions, in brelot spaces, in terms of harmonic and finely harmonic measures is given. we prove that a borel function is quasi superharmonic function if and only if it is a lower envelope of a class of superharmonic functions. mathematics subject classification: primary31b05 ... **the cartan, choquet and kellogg properties for the ne ...** - the superharmonic functions considered in [11] were based on upper gradients, and because of the lack of a differential equation, we did not succeed in obtaining the full cartan property as in \mathbb{R}^n , where v itself can be chosen superharmonic, **trees as brelot spaces - george mason university** - functions on a tree to be functions on the edges as well as on the vertices (instead of just on the vertices), a tree becomes a brelot space. this leads to many results on the potential theory of trees. **a riesz decomposition theorem on harmonic spaces without ...** - a superharmonic function s on a brelot space w is said to be admissible if there are a compact set k and a harmonic function h on $w \setminus k$ such that $h \leq s$ for all $x \in w \setminus k$. **global approximation in harmonic spaces** - global approximation in harmonic spaces 215 1 is superharmonic, and that there is a positive potential on q . we define k , $\mu(a)$, $5^c(a)$, runge pairs, and mergelyan pairs as in § 1 (without the prefix **1 personal data - university of sharjah** - • m. alakhrass, multiply superharmonic functions outside negligible sets, *annali di matematica pura ed applicata* (1923 -), springer berlin heidelberg, 195(4), pp. 1373-1381, 2016. **liouville-picard theorem in harmonic spaces - researchgate** - harmonic functions in m is considered in the context of biharmonic functions in a brelot harmonic space with a symmetric green kernel. 1. introduction in [3] is considered a liouville-picard ... **potential theory on trees and multiplication operators** - developed the theory of brelot spaces without positive potentials. in the recurrent setting, there are no positive nonconstant superharmonic functions, so the focus is on admissible superharmonic functions, that is, superharmonic functions having a harmonic minorant outside a compact set. anandam also introduced several notions of "potential ...

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