

**BRELOT PROPERTY
FOR THE SHEAF OF HARMONICS
RELATIVE TO A DIRICHLET FORM**

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ABSTRACT. We define the notion of Dirichlet functionals and forms in the nonlinear p -homogeneous case. We give the chain rule for the energy of functional or of form. Finally we consider the Riemannian case and, in this case we prove an Harnack inequality on balls for the harmonics relative to the form. As a consequence of the Harnack inequality we prove that a BreLOT type property holds for the nonlinear sheaf of harmonic functions

Key words: Dirichlet forms, Harnack inequality, Regularity of harmonic functions.

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