



**THE DIRICHLET PROBLEM ON A
RIEMANNIAN VARIETY**

Dantouma Kamissoko

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Abstract

The problem of Dirichlet is often partially studied in analysis, the purpose of this article is to bring this problem back to Riemannian geometry and make it a wider field of resolution on Riemannian varieties. This paper reports on our joint work [S. Serfaty, Local minimizers for the Ginzburg-Landau energy near critical magnetic field, II. Commun. Contemp. Math. 1(3) (1999), 295-333].

Keywords and phrases: minimisation, renormalized energy, degree.

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