

# Yang-Mills Measure On Compact Surfaces

by Thierry Levy

dimensional Yang-Mills gauge theory and three-dimensional Chern-Simons theory are described. 1. . measure for the Yang-Mills field over compact surfaces. The Moduli Space of Yang-Mills Connections over a Compact Surface Mills theory, as a probabilistic Radon measure on the "generalized orbit . surfaces presents significant new features that must be dealt with in a different way. total space  $P$ , structure group  $G$  (a compact Lie group), the base manifold being a. [math/0101239] Yang-Mills measure on compact surfaces We construct one Yang-Mills measure on a compact surface for each isomorphism class of principal bundles over this surface. For this, we define a new discrete Yang-Mills Measure on Compact Surfaces - Google Books Result We describe the construction of the Yang-Mills measure for the (Euclidean) quantum theory of gauge fields associated to a bundle over a compact surface. Two-dimensional Yang-Mills measure; Markovian random holonomy fields; Large  $N$  limit of the Yang-Mills field, master field; Heat kernel on compact Lie groups; Free . Yang-Mills measure for non-trivial bundles over compact surfaces. yang-mills theory and tamagawa numbers - IAS - Institute for . Yang Mills Measure On Compact Surfaces has 0 reviews: Published October 29th 2003 by American Mathematical Society(RI), Paperback.

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