HARMONIC MAPS AND MARTINGALES ON PRINCIPAL FIBER BUNDLES

PEDRO JOSÉ CATUOGNO

RESUMO. Let $P(M,G)$ be a principal fiber bundle, ω be a connection form on $P(M,G)$ and ∇^P be a projectable connection on $P(M,G)$. The aim of this work is determine the ∇^P-martingales in $P(M,G)$. Our results allow to establish new characterizations of harmonic maps from Riemannian manifolds to principal fiber bundles.

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E-mail address: pedrojc@ime.unicamp.br