



Year: 2005

Vol.: 67

Fasc.: 3-4

Title: Minimality and harmonicity for vector fields on the frame bundle

Author(s): Xiao Rong Zou and Yao Wen Li

We introduce a natural metric on the frame bundle of a Riemannian manifold and show that the canonical vector fields on the frame bundle are geodesic. For a constant curved space, we show that the canonical vector fields are both minimal and harmonic and determine harmonic maps.

Address:

Xiao Rong Zou
Department of Mathematics
NanJing University
Nanjing, Jiangsu, 210093
P.R. China
E-mail: xrzou@nju.edu.cn

Address:

Yao Wen Li
Department of Mathematics
NanJing University
Nanjing, Jiangsu, 210093
P.R. China
E-mail: lieyauvn@263.net