Title: Legendre surfaces in Sasakian space forms whose mean curvature vectors are eigenvectors

Author(s): Toru Sasahara

We study Legendre surfaces whose mean curvature vectors are eigenvectors of the rough Laplacian. Some classification results on such Legendre surfaces are obtained. As an application, we classify nonminimal biharmonic Legendre surfaces in Sasakian space forms.

Address:
Toru Sasahara
Department of Mathematics
Faculty of Science
Hokkaido University
Sapporo 060-0810
Japan
E-mail: t-sasa@math.sci.hokudai.ac.jp