

1050-58-123

Tobias Lamm, Department of Mathematics, University of British Columbia, Vancouver, Canada,
and **Changyou Wang Wang***, Department of Mathematics, University of Kentucky, Lexington,
KY 40506. *Boundary Regularity of Biharmonic Maps.*

We consider biharmonic maps between manifolds. When the dimension of domain is 4, complete boundary regularity is obtained. When the dimension of domain is larger than 4, a partial boundary regularity of stationary biharmonic maps is obtained. This is a joint work with T. Lamm. (Received March 02, 2009)