

G. Pacelli Bessa

On the spectrum of Martin-Morales-Nadirashvili minimal surfaces

ZEIT:

15.6.2009, 15:15 Uhr

ORT:

Universität Potsdam
Campus am Neuen Palais
Haus 8, Raum 0.53
Am Neuen Palais 10
14469 Potsdam

We show that the spectrum of the Laplacian of a complete submanifold M properly immersed in a ball of a Riemannian manifold N is discrete, provided the mean curvature vector is sufficiently small. In particular, complete Martin-Morales-Nadirashvili minimal surfaces properly immersed in balls of
have discrete spectrum.

Kontakt:

Humboldt-Universität zu Berlin . Institut für Mathematik
SFB 647 . Unter den Linden 6 . 10099 Berlin
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727
sfb647@math.hu-berlin.de