

Some Remarks on the Heat Flow for Harmonic Maps

Michiel Bertsch

CNR & Università di Roma "Tor Vergata", Italy

`bertsch@iac.rm.cnr.it`

In the lecture I shall describe some recent results and open problems for heat flows of harmonic maps with values in the unit sphere. In particular, I shall address some questions concerning the relation which exists between nonuniqueness properties of the flow and the occurrence and evolution of point singularities