Melanie Rupflin
Quantitive estimates for (almost) harmonic maps

We consider (almost) critical points and (almost) minimisers of the Dirichlet energy of maps from surfaces to analytic manifolds. We discuss new results about the low energy levels of the energy spectrum and related quantitative estimates, such as Lojasiewicz inequalities, that apply also in situations where singularities form due to the formation of a bubble.