

A BOMPIERI TYPE INEQUALITY AND EQUIDISTRIBUTION OF POINTS

Ujué Etayo

Universidad de Cantabria, Spain

etayomu@unican.es

We present a new inequality for norms of polynomials related to the classical Bombieri inequality and we propose a reinterpretation of this new inequality as an integral inequality written in terms of the Green function for the sphere. This more geometric reinterpretation allows generalizing this inequality, taking into account multiplicity and extend it to any compact Riemannian surface.

Joint work with Haakan Hedenmalm (KTH Royal Institute of Technology) and Joaquim Ortega-Cerdà (Universitat de Barcelona).