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Free boundary minimal surfaces of any topological type in Euclidean balls via shape optimization (Part 2)

This is a continuation of R. Petrides' talk giving some more applications of our recent work on gap results in glueing constructions for eigenvalues.

I will discuss two further consequences. How our glueing results give some information on the asymptotic behaviour of the free boundary minimal surfaces associated to maximizers for the first Steklov eigenvalue, and our proof of rigidity of the first conformal Steklov eigenvalue on annuli.