ILIA BINDER, Universtiy of Toronto

Caratheodory convergence and weak convergence of Harmonic Measure.

We discuss several new characterizations of the classical Caratheodory convergence for simply connected domains in the plane. Some of this notions have natural generalizations for multiply-connected planar domains and even for domains in higher dimensions. The talk is based on a joint work with Cristobal Rojas (Universidad Andres Bello, Chile) and Michael Yampolsky (University of Toronto).