

PEAK FUNCTIONS AND INVARIANT METRICS

I will present (1) a method of creating the holomorphic peak functions for broad classes of unbounded domains, (2) a method of obtaining the completeness of the invariant metrics, such as Caratheodory, Kobayashi and Bergman metrics, and (3) some open problems. The first two are from a collaboration with Taeyong Ahn and Herve' Gaussier.