

Peak functions and boundary behaviour of holomorphically invariant distances and metrics on strictly pseudoconvex domains

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Abstract. We give a parameter version of Graham-Kerzman approximation theorem for bounded holomorphic functions on strictly pseudoconvex domains. Also, we present some stability results for the localization of Carathéodory-Reiffen and Kobayashi-Royden pseudometrics and some uniform estimates for the boundary behaviour of the Kobayashi and Carathéodory pseudodistances on such domains.

Mathematics Subject Classification (2010): 32T40 (primary); 32T15, 32F45 (secondary).