

AN EXTREMAL FUNCTION IN POTENTIAL AND PLURIPOTENTIAL THEORY

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This is intended to be an introduction to pluripotential theory and a motivation for those of an approximation theory background and interest. We provide a review of the classical Green function associated to a compact set in the plane and discuss applications to approximation theory. Then we discuss the corresponding multivariate notion, the Siciak-Zaharjuta extremal function in several complex variables. This might be a good background material for the pluripotential theory lectures of the Summer School.