REMARKS ON SUBHARMONIC ENVELOPES

DUONG NGOC SON

Abstract
We prove that the subharmonic envelope of a lower semicontinuous function on Ω is harmonic on a certain open subset of Ω, using a very classical method in potential theory. The result gives simple proofs of theorems on harmonic measures and Jensen measures obtained by Cole and Ransford.

2000 Mathematics Subject Classification. 31B5.
Key words. Subharmonic envelope, harmonic measure, Jensen measure.