

Quynh, Nguyen Van

The convergence of sequences of canonical potentials in the space $L_{1,\text{loc}}(\mathbb{C})$. (English)

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Summary: The potential theory is important in the theory of subharmonic and δ -subharmonic functions. In the article we sharpen Azarin's variant on the convergence of the sequence of canonical potentials in the space $L_{1,\text{loc}}(\mathbb{C})$.

MSC:

31A05 Harmonic, subharmonic, superharmonic functions in two dimensions

31B05 Harmonic, subharmonic, superharmonic functions in higher dimensions

Keywords:

canonical potential; Radon measure; convergence; subharmonic functions

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