

Frostman's theorem

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Abstract: One of the celebrated theorems in complex analysis is Riemann mapping theorem, which classifies the domains in the complex plane. A less well-known proof of Riemann mapping theorem goes by Frostman's theorem, a fundamental result of potential theory.

Frostman's theorem gives a lower bound of the potential (p_ν) , in terms of energy $I(\nu)$ corresponding to equilibrium measure (ν) .

In this talk we will state Frostman's theorem and prove it.