

A Riesz Decomposition Theorem for Schrödinger Operators on Graphs

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In the classical potential theory on the Euclidean space and in the potential theory of transient Markov chains a unique decomposition of superharmonic functions into a harmonic and a potential part is well-known. In this talk the basic concepts and ideas to gain such a decomposition for Schrödinger operators on graphs will be shown. The talk will show results of F. F.'s master's thesis supervised by M. K.