CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, April 27
3:00 – 4:00 PM
Maria Sanford, Room 101

GENERALIZED HARMONIC FUNCTIONS ON FINITE GRAPHS

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Abstract: In this talk we will define a notion of generalized harmonic functions on graphs and study the space of such functions. Using spectral analysis, we will classify all such function on finite graphs and use the dimension of this space of functions to recast a graph's regularity.