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THE KNIGHT MOVE IN CHROMATIC GRAPH COHOMOLOGY

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Abstract of Talk: Recently Laure Heleme-Guizon and Yongwu Rong from George Washington University introduced a homology theory for graphs where the graded Euler characteristic is the chromatic polynomial of the graph. I will briefly describe their construction and then outline a proof of the theorem that allows us to go "backwards" and find the ranks of the homology groups from the chromatic polynomial.