2008:7 Självständigt arbete i matematik Matematiska institutionen Stockholms universitet

Magnus Sörin: Algebraic properties of completely discretely stable graphs

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Sammanfattning

In this thesis, we investigate a class of graphs called completely discretely stable, and also a kind of graph extensions called stitches. The properties of their independence complexes and face lattices are studied. As a corollary, we calculate the f- and h-vectors of a type of combinatorially determined Gorenstein complexes.