Mathematics, Statistics, and Computer Science   **@ UIC**

Quantum Topology / Hopf Algebra Seminar

A Penrose Coloring Formula for Non-planar Graphs

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Abstract: Roger Penrose, in his paper ''Applications of Negative Dimenionsal Tensors'' gave a recursive formula that counts the number of proper edge-colorings of cubic plane graphs. In this talk we explain how to generalize his method to non-planar graphs and to generalize the evaluation to a polynomial associated with the graph. This talk will be self-contained.

Tuesday, August 23 at 3:00 PM in SEO 612