

Counting series and edge covers

Professor Brian Drake

Department of Mathematics

Grand Valley State University

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3:05-3:55 pm, in NH 276

In enumerative combinatorics, we like to count. We look at objects determined by simple rules and try to figure out how many of them there are. In this talk we will see a lovely theorem of Carlitz, Scoville, and Vaughan that lets us count sequences with restrictions. We will apply it to square-domino tilings and to some recent graph theory results due to student researchers.