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Food For Thought Seminar

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UCSD

Building new posets from old: The Tesler poset

Abstract:

Tesler matrices are certain integral matrices counted by the Kostant partition function and have appeared recently in Haglund's study of diagonal harmonics. In 2014, Drew Armstrong defined a poset on such matrices and conjectured that the characteristic polynomial of this poset is a power of $(q - 1)$. We will use a method of Bruce Sagan and Joshua Hallam to prove Armstrong's conjecture and explore how this result can improve the bounds on the number of Tesler matrices.

Monday, March 5, 2018
12:00 PM
AP&M 7421

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