

The Class $\mathcal{A}(R, S)$ of (0,1)-Matrices

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The class $\mathcal{A}(R, S)$ of (0,1)-matrices with row sum vector R and column sum vector S has been considered for over 50 years. It has a rich structure with connections to many different pure and applied topics such as symmetric functions, discrete tomography, mathematical ecology. In this talk I will give a brief survey including some recent developments.

Bigraphs, Digraphs, SNS-Matrices, Tilings, Aztec Diamonds, and More

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This will be an eclectic talk about some connections between the topics (and probably others) in the title.