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COLLOQUIUM

Negative Correlation Inequalities

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Abstract: Correlation inequalities are statements about how events in a probability space positively or negatively reinforce each other. After briefly discussing the better-understood theory of positive correlation, I will talk about some negative correlation inequalities and their relationship to celebrated conjectures of J. Mason about log-concavity properties of certain sequences arising from combinatorial objects. Along the way, I'll mention several interesting open problems.

Wednesday, February 11, 2009, 3:00 pm
Mathematics and Science Center: W303

MATHEMATICS AND COMPUTER SCIENCE
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