

Semidefinite programming and discrepancy: Recent developments

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In recent years, looking at the vector analogue of discrepancy has led to several interesting developments. In this talk, I will give an overview of these results, with focus on some very recent developments such as the tightness of the determinant lower bound based on SDP duality, algorithms for computing the hereditary discrepancy, applications of discrepancy in approximation algorithms and so on.