Logconcave Polynomials 2: FPRAS Matroid Base Counting Report

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Abstract

This is a report for the paper [ALGV19] which was covered in the second half of the course 'Expander Graphs and Its Application' instructed by Partha Mukhopadhyay in the Jan-May, 2024 semester in Chennai Mathematical Institute.

Contents

1 Preliminaries

2 References

[ALGV19] Nima Anari, Kuikui Liu, Shayan Oveis Gharan, and Cynthia Vinzant. Log-concave polynomials II: high-dimensional walks and an FPRAS for counting bases of a matroid, 2019.