

Functional Analysis Seminar

The Kannan-Lovász-Simonovits conjecture up to polylog

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Abstract

The Kannan-Lovász-Simonovits conjecture asserts that high dimensional log-concave probability measures satisfy a certain universal concentration property. In a recent joint work with Bo'az Klartag we prove that this conjecture holds true up to a factor that is polylogarithmic in the dimension. In this talk I'll mostly speak about the context around this conjecture, in particular I'll present some of its numerous consequences. If time abides I'll say a few words about our proof towards the end of the talk.

Time: Wednesday, May 04, 2022, 16:00-17:30 (UTC+8)

Meeting ID: 938 5012 7691 (Zoom)

Password: 123399

Link: <https://zoom.us/j/93850127691?pwd=UzRnWXlWRDM1VlI5TFJEZ05lWE1aQT09>

More information on the Functional Analysis Seminar:
<http://im.hit.edu.cn/en/2022/0414/c8931a271838/page.htm>

