




复旦大学数学科学学院
数学综合报告会

报告题目：On the Circle Problem.

报告人：杨学睿 (浙江大学)

时间：2026-11-24 星期二 15:30-16:30

地点：光华楼东主楼1801

报告摘要：

We give a systematic explanation of deriving a pointwise exponent sum estimate from mean value estimates. This follows the idea of Vinogradov. Then we describe how the idea works in the bombieri-iwaniec method. After that, we focus on the mean value problem that arises from the bombieri-iwaniec method. We show the power of decoupling theory. Also, we explain how the improvement was made by Cen-Gao-Zhang-Zhang in their new preprint.

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