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中国科学院数学与系统科学研究院
Academy of Mathematics and Systems Science
Chinese Academy of Sciences

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Academy of Mathematics and Systems Science, CAS Colloquia & Seminars

Speaker: David Schrittesser, 哈尔滨工业大学

Inviter: 吴刘臻

Title: Projective measure without Projective Baire

Language: English

Time & Venue: 2023.05.05 14:00-16:00 思源楼S803

Abstract: In this talk, I will give some of the context and a sketch of the proof of the following result which I proved a while ago: It is consistent (relative to a Mahlo cardinal) that there is a projective set without the Baire property, yet every projective set is Lebesgue measurable. I will explain the history of the problem, some of the main difficulties encountered in the proof, as well as how they were solved. I will also comment on how this result is related to some open questions.

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