



复旦大学数学科学学院 数学综合报告会

报告题目: **Selfgravitating disks around black holes**

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报告地点: 光华东主楼 1801

摘要: A brief introduction to the basic theory of selfgravitating rotating fluids both in Newtonian gravity and in General Relativity (GR) will be given. I will recall some basic facts concerning solutions representing selfgravitating disks (toroids) around point masses (in Newtonian theory) and black holes (in GR). I will then review recent results concerning general-relativistic Keplerian disks and (if time permits) comment on the estimates of their masses and the angular momentum.

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