



复旦大学数学科学学院
数学综合报告会

报告题目: **Counting conjugacy classes of subgroups in a finitely generated group and its application to the covering theory**

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14:00-15:00

报告地点: 光华楼东主楼 2001

摘要: We suggest a new general method for counting conjugacy classes of subgroups in an arbitrary finitely generated group. Explicite formulae for the number of conjugacy classes will be obtained. As a consequence we give a short prove of the results by Valery Liskovets, Galina Pozdnyakova and the author on the number of non-equivalent coverings over compact Riemann surface. Some more application are recent results on the number of unrooted maps with prescribed number of edges on a closed siface of a given genus.

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