


复旦大学数学科学学院
数学综合报告会

报告题目：**Jacobians of circulant graphs**

报告人：**Prof. A.D. Mednykn**

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14:00-15:00

报告地点：光华楼东主楼 2001

摘要：The notion of the Jacobian group of graph (also known as the Picard group, critical group, sandpile group, dollar group) was independently given by many authors (R. Cori and D. Rossin, M. Baker and S. Norine, N. L. Biggs, R. Bacher, P. de la Harpe and T. Nagnibeda an others). This is a very important algebraic invariant of a finite graph. In particular, the order of the Jacobian group coincides with the number of spanning trees for a graph. The latter number is known for many large families of graphs. But the structure of Jacobian in many cases are still unknown. The aim of the present lecture is provide the structure theorems for Jacobians of circulant graphs.

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