



复旦大学数学科学学院
数学综合报告会

报告题目：**Hyperbolicity of cyclic covers and complements**

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报告时间：2016-06-30 星期四
15:30-16:30

报告地点：光华楼东主楼 1501

摘要：A complex projective variety is Brody hyperbolic if there are no non-constant holomorphic maps from the complex plane to the variety. We prove that a cyclic cover of a smooth complex projective variety branched along a generic small deformation of a sufficiently large multiple of a Brody hyperbolic ample divisor is Brody hyperbolic. We also show the hyperbolicity of the complements of those branch divisors. These results produce lots of examples of hyperbolic cyclic covers and complements.

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