

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

Analysis Seminar

Applications of an annulus covering theorem in complex dynamics

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Abstract

We begin our talk with an annulus covering theorem which says that the image of a hyperbolic domain under an analytic mapping covers an annulus if some growth condition holds. Then we consider three applications. The first is an extension of Bhor Theorem, the second is the existence of large annuli in the Fatou set, the third is the argument distribution and escaping set.

Date: February 5, 2018 (Monday)

Time: 2:30 – 3:30pm

Venue: Room 210, Run Run Shaw Bldg., HKU

All are welcome