

THE UNIVERSITY



OF HONG KONG

Department of Mathematics

COLLOQUIUM

Complex analysis: Two is a special number

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Abstract

For about a century (1823-1927) analysis in one complex variables played a central role in mathematical research. Today it remains important background in engineering, potential theory, geometry and dynamics, while continuing to provide problems in itself.

Beyond one complex dimension (=two real dimensions), the subject seems significantly different. In this talk I (try to) explain why inherent difficulties are a fact of nature, and how some of them have been surmounted in recent years.

Knowledge of a standard undergraduate complex analysis course should provide good background, the emphasis will be on ideas rather than proofs.

Date: April 2, 2019 (Tuesday)

Time: 4:30 - 5:30pm

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

All are welcome