THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

GEOMETRY SEMINAR

Green-Griffiths-Lang conjecture for algebraic varieties with big fundamental groups

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Abstract

The Green-Griffiths-Lang (GGL) conjecture asserts that any entire curve in a complex projective variety of general type cannot be Zariski dense. This conjecture fascinates many complex geometers, in part due to its arithmetic analogy with the Bombieri-Lang conjecture for rational points in algebraic varieties over number fields. In this talk, I will report a recent work with Cadorel and Yamanoi, focusing on the proof of the generalized GGL conjecture for quasi-projective varieties admitting a big reductive local system.

Date:	August 2, 2023 (Wednesday)
Time:	11:00am – 12:00noon
Venue:	Room 210, Run Run Shaw Bldg., HKU

All are welcome