



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

PHD STUDENT SEMINAR

Local behavior of positive solutions of higher order conformally invariant equations with a singular set

By

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Abstract

We study some properties of singular positive solutions to the conformally invariant equations. We prove an asymptotic blow rate estimate for positive solutions near the singular set with some conditions about the Minkowski dimension of the set. We also show the asymptotic symmetry of singular positive solutions and a global symmetry result.

Date : 15 May 2020 (Friday)

Time : 10:00am – 11:00am

Zoom Meeting : <https://hkust.zoom.us/j/8703585687>

All are Welcome!