

Colloquium Series

On Nevanlinna and algebraic hyperbolicity

Dr. Min Ru

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Abstract

Motivated by the notion of the algebraic hyperbolicity, in this talk, we introduce the notion of Nevanlinna hyperbolicity for a pair (X, D) , where X is a projective variety and D is an effective Cartier divisor on X . We will also show that how this notion links and unifies the Nevanlinna theory, the Kobayashi and Brody hyperbolicity, the Picard type extension theorem. It also implies the algebraic hyperbolicity. This is a joint work with Yan He.

Bio

Dr. Ru's research work primarily concerns Complex and Algebraic Geometry, Diophantine Approximations and Differential Geometry. He is a professor of mathematics at University of Houston. Before that, he was Benjamin Peirce Assistant Professor at Harvard University. He also served as Assistant Professor (2000-2002) at the National University of Singapore. In 2018, He was elected as Fellow of the American Mathematical Society.

Dr. Ru's numerous great results are published in the best mathematical journals including Annals of Mathematics, Inventiones Mathematicae, and Journal of differential geometry.

Date: Friday, March 25, 2022

Time: 4:00-5:00 pm CT

Zoom: <https://utrgv.zoom.us/j/82891171140>