

Graduate Analysis Seminar

Asymptotic Values of Functions with Polynomial Schwarzian Derivative

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Abstract: It is a classical result of Rolf Nevanlinna that an entire function whose Schwarzian derivative is a polynomial of degree d has exactly $d + 2$ asymptotic values. In this talk I will sketch a proof of this result and remark on the role of Stokes' phenomenon in understanding the set of asymptotic values.

Monday, October 3 at 12:00 PM in SEO 1227