

Counterexamples to the Strong Eremenko Conjecture: “How Slow Can You Grow?”

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The strong Eremenko Conjecture was disproved in the paper of Rottenfuser, Rückert, Rempe and Schleicher with a counterexample function in the Eremenko-Lyubich class B with infinite order growth. It was also shown in the same paper that the conjecture holds for functions of finite order growth (and finite compositions of them). This talk will discuss the work that has been done to reduce the order of growth of counterexamples.