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Portraits of Rational Inner Functions.

This talk focuses on two-variable rational inner functions ϕ with singularities on the two-torus \mathbb{T}^2 . Such ϕ always possess well-behaved unimodular level sets whose analytic properties imply information about the zero set of ϕ and the fine numerical stability of ϕ near its singularities. Such results will be illustrated via pictures of key unimodular level sets. (Received September 09, 2018)