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Program Associate
The Analysis and Geometry of Random Spaces

Interests: Complex Analysis and Stochastic Calculus

ρ -Loewner energy: A Loewner energy corresponding to $SLE_\kappa(\rho)$

- The Loewner energy $I(\gamma)$, introduced by Wang, is a large deviations rate function on SLE_κ as $\kappa \rightarrow 0+$ (see talk by Wang, Jan 24).
- Aim: Define and study the ρ -Loewner energy $I_{\rho, z_0}(\gamma)$ for marked interior point with $\rho < -4$.
- Finite ρ -energy curves γ hit z_0 and have $I(\gamma) < \infty$.
- The unique minimizer of I_{ρ, z_0} is $SLE_0(\rho)$.

