

**NICE INDUCING SCHEMES FOR ITERATION OF  
HOLOMORPHIC MAPS: ANALITICITY OF PRESSURE AND  
GEOMETRIC CONFORMAL AND EQUILIBRIUM MEASURES**

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For potentials  $-t \log |f'|$  on the Julia set of a rational function satisfying a mild complex bounds condition, the analyticity of pressure  $t \mapsto P(-t \log |f'|)$  for  $t_- < 0 < t_+$ , will be proved. Here  $-\infty \leq t_-, t_+ \leq \infty$  are certain phase transition parameters. For above  $t$  there are unique atomless conformal measures and exponentially mixing invariant measures in their classes. The results apply to polynomials with a priori bounds and topological Collet-Eckmann maps. This a joint work with Juan Rivera-Letelier.