

Meeting: 998, Houston, Texas, SS 10A, Special Session on Complex Analysis and Operator Theory

998-30-304 **R. Michael Porter*** (mike@math.cinvestav.mx), Departamento de Matematicas, CINVESTAV, Apdo. Postal 14-740 Mexico, D.F., Mexico. *Numerical conformal mapping of horocycle domains*. Preliminary report.

The class of domains obtained from the unit disc by removing finitely many disjoint horodisks (tangent to the unit circle internally) is studied. The accessory parameters in the Schwarzian derivative of the Riemann mapping are approximated numerically. The results are compared with those obtained via "generic" conformal mapping methods.

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