

We show that on compact manifolds with boundary there exists a solution to the sigma-k Ricci curvature Dirichlet problem. In particular, there exist conformal metrics of negative Ricci curvature preserving the boundary metric. Furthermore we solve the "infinite boundary data" Dirichlet problem and show that these metrics are complete. Finally, after finding precise asymptotics for the solutions in this case, we define an invariant capturing the existence of Poincare-Einstein metrics.