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Thomas J Tegtmeier* (tegt@truman.edu), Department of Mathematics & Computer Science, Truman State University, Kirksville, MO 63501. *Computation of the Ahlfors map for multiply connected domains with nonsmooth boundaries*. Preliminary report.

The Ahlfors map for a multiply connected domain with C^∞ -smooth boundary components can be computed numerically using the Kerzman-Stein integral equation. The same methods have been used to compute the Riemann map for simply connected domains with nonsmooth boundaries. Attempts to compute the Ahlfors map for multiply connected domains with nonsmooth boundaries will be discussed. (Received September 19, 2007)