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100 East Normal, Kirksville, MO 63501. *Numerical computation of the Ahlfors map in multiply  
connected domains*. Preliminary report.

One efficient method for computing the Riemann map—for both smooth and nonsmooth simply connected domains—uses the Kerzman-Stein integral equation. This method can be adapted to compute the Ahlfors map of smooth and nonsmooth multiply connected domains. Some results of these computations will be shown, and theoretical results will be demonstrated graphically. (Received October 02, 2000)