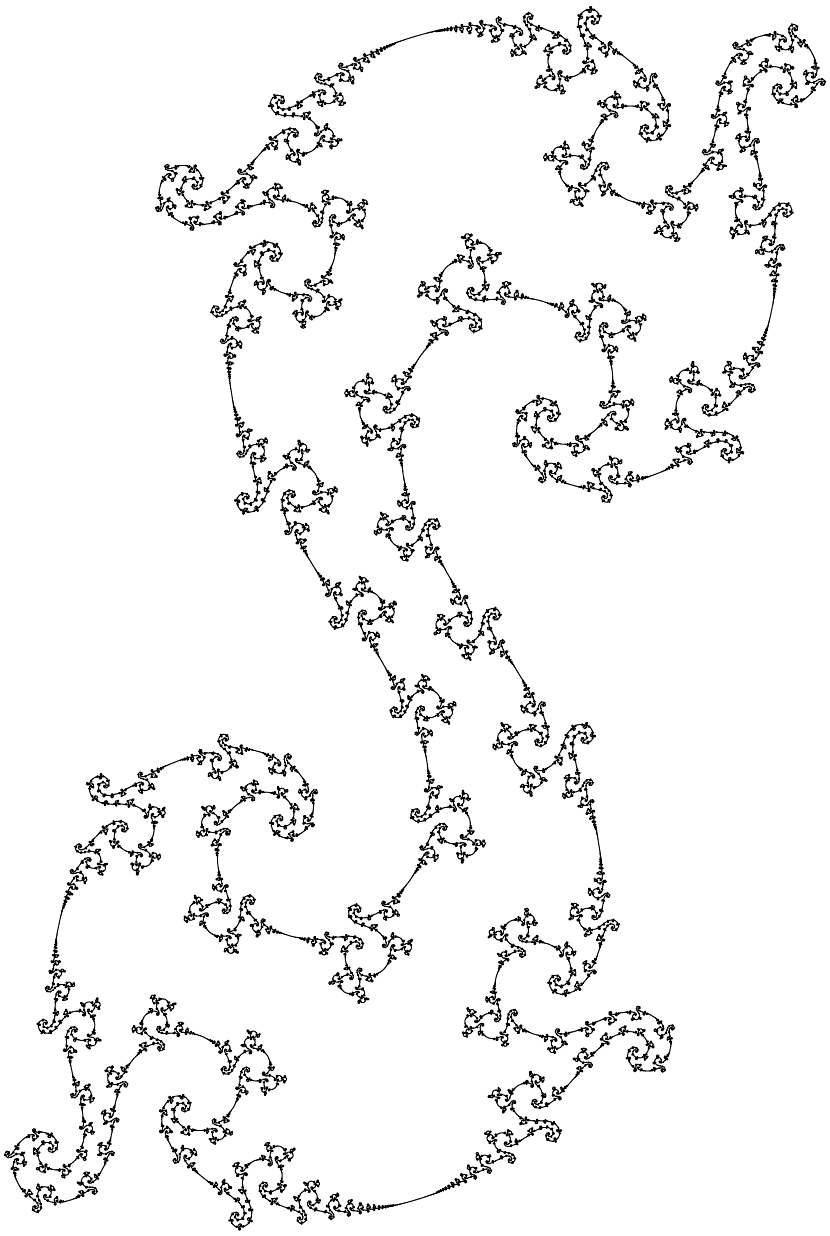
Summer Tutorial

Groups of Möbius Transformations



July 2 - August 8, 2002

For more information, contact
David Dumas (ddumas@math.harvard.edu)

The picture above shows the orbit of a point under the group generated by two Möbius transformations A and B, chosen so that $\mathrm{tr}\,(A) = 4.6 - 12i$, $\mathrm{tr}\,(B) = 3.38 - i$, $\mathrm{tr}\,(AB) = 0.814 - 42.4i$, and $\mathrm{tr}\,([A,B]) = -2$. Up to change of coordinates, these traces uniquely determine the group.