1145-37-1848   **Kariane Calta**, **Cor Kraaikamp** and **Thomas A. Schmidt*** (`toms@math.orst.edu`), Department of Mathematics, Oregon State University, Corvallis, OR 97331. *α-continued fractions for infinitely many triangle groups.* Preliminary report.

Nakada's (1981) much studied α-continued fractions are a one-parameter family of interval maps related to an action of the modular group. We study a collection of one such family for each of a countably infinite family of Fuchsian triangle groups. We discuss aspects of the maps such as invariant measures, entropy, natural extensions, and associated sections for the geodesic flow on the unit tangent bundle of the surface uniformized by the corresponding group. (Received September 24, 2018)