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Richard D Canary* (canary@umich.edu), Department of Mathematics, University of Michigan, Ann Arbor, MI 48109, and **Christopher Leininger**, Department of Mathematics, University of Illinois at Urbana-Champaign, Urbana, IL 61801. *Kleinian groups with discrete length spectrum.*

We characterize finitely generated torsion-free Kleinian groups whose real length spectrum (without multiplicities) is discrete. (Received January 21, 2008)