1020-46-26 Florin P Boca* (fboca@math.uiuc.edu), Department of Mathematics, University of Illinois, 1409 W. Green Street, Urbana, IL 61801. Continued fractions and AF algebras.
An AF algebra associated with the Farey tesselation and capturing the geometry of the continued fraction algorithm is defined and studied. The Effros-Shen rotation AF algebras are naturally obtained as quotients of this algebra. (Received July 20, 2006)