1047-37-388   **Ilie Ugarcovici*** (`iugarcov@depaul.edu`), 2320 N. Kenmore Ave, Chicago, IL 60203. *Generalized Gauss-type interval maps.*

We describe a two-parameter family of continued fractions algorithms and derive some of the ergodic properties of the induced Gauss-type interval maps. Possible generalizations of Bowen-Series boundary maps associated to arbitrary Fuchsian groups will be also described. This is joint work with S. Katok (Penn State). (Received February 02, 2009)