

1145-37-1181 **Claire Merriman*** (emerrim2@illinois.edu), 1409 W Green St, Urbana, IL 61801, and **Florin P. Boca**. *Coding geodesic flows and various continued fractions*.

I will connect continued fractions with even or odd partial quotients to geodesic flows on modular surfaces. The connection between geodesics on the modular surface $\mathrm{PSL}(2, \mathbb{Z})$ and regular continued fractions was established by Series, and we extend this to the odd and grotesque continued fractions and even continued fractions. (Received September 20, 2018)