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 PSL(2, 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)