1046-11-316     **Kristen J Campbell\*** (`campbell@math.niu.edu`), Department of Mathematical Sciences, Northern Illinois University, Dekalb, IL 60115. *Characterizing Limits of Analytic Continued Fractions.* Preliminary report.

Historically, investigation of convergence of analytic continued fractions has primarily separated them into two categories: those that converge and those that do not. However, recent work by Bowman has focused on those that diverge, but in a predictable manner. Employing his notion of the sequential closure of a sequence, we obtain precise for limit $k$-periodic continued fractions as well as $q$-continued fractions. (Received August 25, 2008)