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Chris D. Lynd* (clynd@bloomu.edu) and **Devyn A. Lesher**. *Convergence Results for the Class of Periodic Left Nested Radicals*.

In our paper, we utilize techniques from the field of difference equations to prove several theorems about the end-behavior of periodic left nested radicals. We will present the results of three theorems about the convergence of left nested radicals and one theorem about sequences of left nested radicals that converge asymptotically to a periodic sequence. We conclude the presentation by constructing a sequence of left nested radicals whose limiting sequence repeats the digits in the phone number 867-5309. (Received August 23, 2014)