

1086-26-436

Thomas Tyler Clark* (tyler.clark@knights.ucf.edu), 1389 Northgate Circle, K107, Oviedo, FL 32765, and **Tom Richmond** (tom.richmond@wku.edu). *Continued Radicals and Cantor Sets*.

We will construct several continued radicals and look at their convergence properties. Furthermore, we will look at some conditions in which a continued radical creates a set homeomorphic to the cantor set. Finally, we will observe a continued radical formed by the set $\{1, 2\}$ and the thickness and measure of the cantor set obtained. (Received September 01, 2012)