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Candace Kent and **David Chan*** (dmchan@vcu.edu), 1015 Floyd Avenue, Box 842014, Richmond, VA 23284-2014, and **William Strasser**. *Parameter Exploration of an Epilepsy Model*. Preliminary report.

In this talk we examine a difference equation model, involving the maximum function, for neuron excitation that mimics seizure activity in the brain. We explore the model's parameter space for complex behavior. Bifurcation diagrams and phase portraits are presented where seizures are prevalent. (Received September 13, 2020)