

1135-VM-1444 **Matthew J Sequin*** (msequin@saintpeters.edu). *Limit Points of Folding Sequences.*

Imagine a thin strip of paper labeled with the interval $[0, 1]$, where 0 is on the very left edge of the paper and 1 is on the right edge. If this strip of paper is folded in a certain way, the creases from the folds will correspond to different numbers in the interval. Folding the paper an infinite number of times will yield a sequence, called a *folding sequence*. In this talk, we will introduce folding sequences and discuss some of their properties. In particular, we will focus on the limit points of these sequences, and briefly discuss how folding sequences can be used as an example to introduce key concepts in an undergraduate point-set topology or analysis course. (Received September 22, 2017)