Walter M. Bridges* (wbridg6@lsu.edu). Limit Shapes for Unimodal Sequences.

A limit shape for a type of unimodal sequence of integers is a certain 0-1 Law satisfied by their diagrams. The diagrams of a unimodal sequence are stacks of boxes in the plane. One can ask whether 100% of boundaries of diagrams of size $n$ approach some limiting curve as $n \to \infty$. This type of question has been well-studied for partitions. Using a method of F. Petrov, we obtain limit shapes for a variety of unimodal sequences. (Received September 15, 2019)