

David Garth and Joseph Palmer
Self-Similar Sequences and Generalized Wythoff Arrays,
Fibonacci Quart. **54** (2016), no. 1, 72–78.

Abstract

Self-similar sequences are sequences that contain a proper subsequence identical to the original sequence. Kimberling showed that the famous Wythoff array gives rise to an interesting self-similar sequence. In this paper we discuss the construction of an array similar to the Wythoff array for a more general class of numeration systems. We then give a construction of a self-similar sequence arising from this array. The self-similar sequences arising from this construction are also compared to some other well-known self-similar sequences.