Jonny Griffiths and Martin Griffiths Fibonacci-Related Sequences via Iterated QRT Maps, Fibonacci Quart. **51** (2013), no. 3, 218–227.

Abstract

In this article we consider the sequences of rational functions that arise from the iterations of particular types of maps on the plane. We study a certain aspect of the behavior of these functions as the number of iterations increases. These types of behavior fall essentially into three categories, the intermediate one of which leads to polynomials with Fibonacci-related coefficients.