Abstract

The Binet formula for Pell sequence is viewed as a function of complex variable. In this paper the study of attracting and repelling fixed points of Pell sequence is presented with the complex dynamics resulting in the escape time images. A study of orbits of the Binet type formula is presented in the paper. Besides this, a new class of Mandelbrot sets is also studied for the Mann-iterates.

Reference

- Bicknell, M., “A primer of the Pell sequence and related sequences”, The Fibonacci
Quarterly, 13(4) (1975), 345-349.
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Index Terms

Computer Science

Algorithms

Key words
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