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**Dynamics of recursive sequence of order two**

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**Abstract**

In this paper we study some qualitative behavior of the solutions of the difference equation where the initial conditions  $x_{-1}$ ,  $x_0$  are arbitrary real numbers and  $a$ ,  $b$ ,  $c$ ,  $d$  are positive constants with  $cx_0 - dx_{-1} \neq 0$ .

**Author Keywords**

Difference equations; Periodicity; Solution of the difference equation; Stability

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