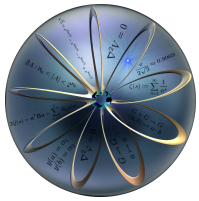

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Fibonacci polynomials

Canonical name	FibonacciPolynomials
Date of creation	2013-03-22 18:03:39
Last modified on	2013-03-22 18:03:39
Owner	veselin (20506)
Last modified by	veselin (20506)
Numerical id	4
Author	veselin (20506)
Entry type	Definition
Classification	msc 40-00

Fibonacci polynomials are defined recursively as follow

$$F_n(x) := \begin{cases} 1 & \text{if } n = 1; \\ x & \text{if } n = 2; \\ xF_{n-1}(x) + F_{n-2}(x), & \text{if } n > 2. \end{cases}$$

The main (and obvious) property of this polynomials is that $F_n(1)$ is n^{th} number in Fibonacci sequence.