Welcome Jacob Eric Simon (ORCID: 0000-0002-6572-3985)

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Toggle Nomenclature

EJS_P1P0_P1N1

Nbre (10-500): 30

Exponential formula
Hyperbolic formula
Trigonometric formula

DEBUG: False

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Mode Admin: Universal Atlas of Geometric Constants GCEJS Derived from Linear Recurrences

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EJS_P1P0_P1N1 has already been provided to the Universal Atlas of Geometric Linear Recurrences.

Mathematic EJS_P1P0_P1N1 sequence

```
LinearRecurrence[{-1, 1}, {1, 0}, 30]
a(n) = (1)*a(n-2) + (-1)*a(n-1)
Initial Terms: a(0) = 1, a(1) = 0
```

$$EJS\_P1P0\_P1N1(n) = a(n) = \frac{5 \cdot 2^n}{5\left(1+\sqrt{5}\right)^n + 5\sqrt{5}\left(1+\sqrt{5}\right)^n} + \frac{3 \cdot 2^n \sqrt{5}}{5\left(1+\sqrt{5}\right)^n + 5\sqrt{5}\left(1+\sqrt{5}\right)^n} + \frac{5\left(\frac{1}{\frac{1}{2}-\frac{\sqrt{5}}{2}}\right)^n}{5-5\sqrt{5}} - \frac{3\sqrt{5}\left(\frac{1}{\frac{1}{2}-\frac{\sqrt{5}}{2}}\right)^n}{5-5\sqrt{5}}$$

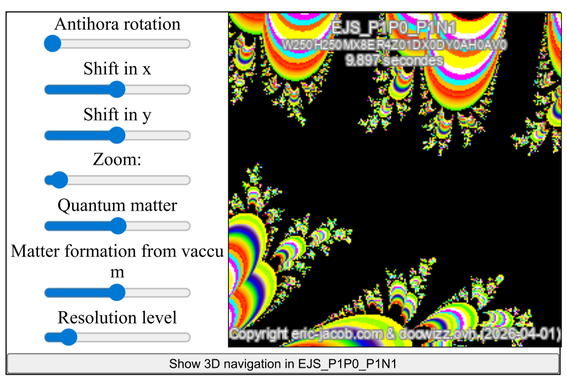
```
1,  0,  1,  -1,  2,  -3,  5,  -8,  13,  -21,  34,  -55,  89,  -144,  233,  -377,  610,  -987,  1597,  -2584,  4181,  -6765,  10946,  -17711,  28657,  -46368,  75025,  -121393,  196418,  -317811,  514229

 a(0) = 1
 a(1) = 0
 a(2) = 1
 a(3) = -1
 a(4) = 2
 a(5) = -3
 a(6) = 5
 a(7) = -8
 a(8) = 13
 a(9) = -21
 a(10) = 34
 a(11) = -55
 a(12) = 89
 a(13) = -144
```

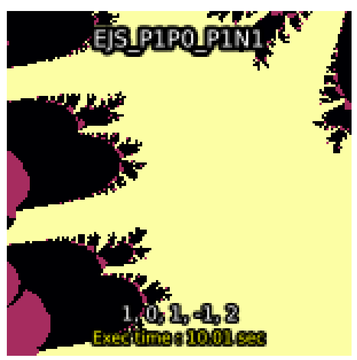
Sequence [1, 0, 1, -1, 2, -3, 5, -8, 13, -21, 34, -55, 89, -144, 233, -377, 610, -987, 1597, -2584, 4181, -6765, 10946, -17711, 28657, -46368, 75025, -121393, 196418, -317811, 514229]:
OEIS

This sequence provides no significant data for the Universal Atlas of Geometric Constants GCEJS Derived from Linear Recurrences.

$$EJS\_P1P0\_P1N1_{GF}(x) = \frac{-x-1}{x^2-x-1}$$

Navigation in a quantum univers 2D/3D of variants; more details on Wiki (EJS Fibovar Theory)





Time: 3.3070569038391 sec (Global exec time)