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

Logout from ORCID

Toggle Nomenclature

EJS_P1iP0_P1N1i

Nbre (10-500): 30

Exponential formula
Hyperbolic formula
Trigonometric formula

DEBUG: False
CALCSYM: True
ADDCTES: False Hide log

Submit

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

---

Mathematic EJS_PIP0_P1P-I sequence

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

$$EJS\_PIP0\_P1P-I(n) = a(n) = -\frac{3\cdot 2^n}{3\sqrt{3}\left(\sqrt{3}+i\right)^n+3i\left(\sqrt{3}+i\right)^n}+\frac{2^n\sqrt{3}i}{3\sqrt{3}\left(\sqrt{3}+i\right)^n+3i\left(\sqrt{3}+i\right)^n}-\frac{\sqrt{3}i\left(\frac{1}{-\frac{\sqrt{3}}{2}+\frac{i}{2}}\right)^n}{-3\sqrt{3}+3i}-\frac{3\left(\frac{1}{-\frac{\sqrt{3}}{2}+\frac{i}{2}}\right)^n}{-3\sqrt{3}+3i}$$

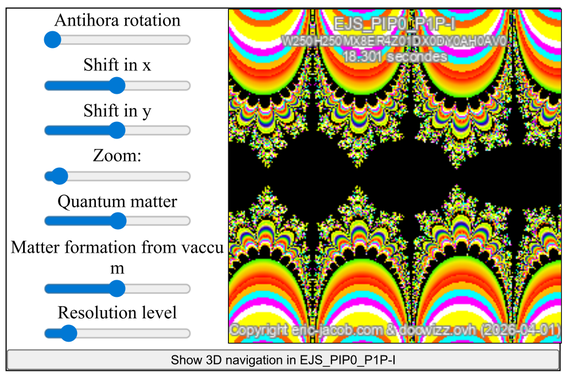
```
I,  0,  I,  1,  0,  1,  -I,  0,  -I,  -1,  0,  -1,  I,  0,  I,  1,  0,  1,  -I,  0,  -I,  -1,  0,  -1,  I,  0,  I,  1,  0,  1,  -I

 a(0) = I
 a(1) = 0
 a(2) = I
 a(3) = 1
 a(4) = 0
 a(5) = 1
 a(6) = -I
 a(7) = 0
 a(8) = -I
 a(9) = -1
 a(10) = 0
 a(11) = -1
 a(12) = I
 a(13) = 0
```

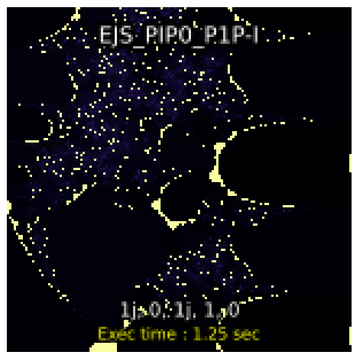
Sequence [I, 0, I, 1, 0, 1, -I, 0, -I, -1, 0, -1, I, 0, I, 1, 1, 0, 1, -I, 0, -I, -1, 0, -1, I, 0, I, 1, 1, 0, 1, -I]:
OEIS

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

$$EJS\_PIP0\_P1P-I_{GF}(x) = \frac{x-i}{x^2-ix-1}$$

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





Time: 3.6628291606903 sec (Global exec time)