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EJS_P0P1P2_N1/2P3/4P1

Nbre (10-500): 30

Exponential formula
Hyperbolic formula
Trigonometric formula

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

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EJS_P0P1P2_N1/2P3/4P1 has already been provided to the Universal Atlas of Geometric Linear Recurrences.

Mathematic EJS_P0P1P2_N1/2P3/4P1 sequence

```
LinearRecurrence[{1, 3/4, -1/2}, {0, 1, 2}, 30]
a(n) = (-1/2)*a(n-3) + (3/4)*a(n-2) + (1)*a(n-1)
Initial Terms: a(0) = 0, a(1) = 1, a(2) = 2
```

$$EJS\_P0P1P2\_N1/2P3/4P1(n) = a(n) = -\frac{7\cdot 4^n}{-\frac{85\left(-1+\sqrt{17}\right)^n}{4}+\frac{13\sqrt{17}\left(-1+\sqrt{17}\right)^n}{4}} - \frac{\sqrt{17}\cdot 4^n}{-\frac{85\left(-1+\sqrt{17}\right)^n}{4}+\frac{13\sqrt{17}\left(-1+\sqrt{17}\right)^n}{4}} + \frac{\sqrt{17}\left(\frac{1}{-\frac{\sqrt{17}}{4}-\frac{1}{4}}\right)^n}{-\frac{85}{4}-\frac{13\sqrt{17}}{4}} - \frac{7\left(\frac{1}{-\frac{\sqrt{17}}{4}-\frac{1}{4}}\right)^n}{-\frac{85}{4}-\frac{13\sqrt{17}}{4}} - \frac{3\cdot 2^{-n}}{2}$$

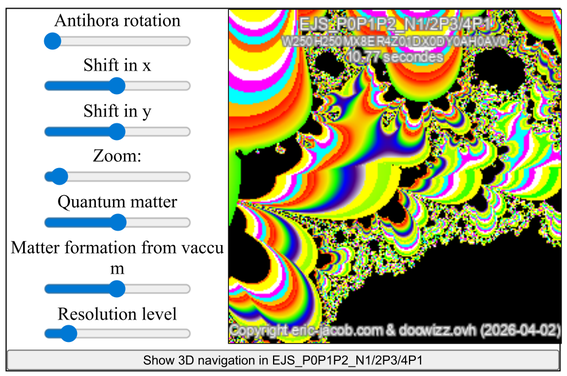
```
0,  1,  2,  11/4,  15/4,  77/16,  25/4,  511/64,  657/64,  3361/256,  2155/128,  22067/1024,  28275/1024,  144821/4096,  23189/512,  950311/16384,  1217205/16384,  6235657/65536,  3993325/32768,  40915931/262144,  52404567/262144,  268472861/1048576,  85963675/262144,  1761600847/4194304,
2256219225/4194304,  11558841841/16777216,  7402148911/8388608,  75843963011/67108864,  97139172795/67108864,  497654197637/268435456,  39836486875/16777216

 a(17) = 6235657/65536
 a(18) = 3993325/32768
 a(19) = 40915931/262144
 a(20) = 52404567/262144
 a(21) = 268472861/1048576
 a(22) = 85963675/262144
 a(23) = 1761600847/4194304
 a(24) = 2256219225/4194304
 a(25) = 11558841841/16777216
 a(26) = 7402148911/8388608
 a(27) = 75843963011/67108864
 a(28) = 97139172795/67108864
 a(29) = 497654197637/268435456
 a(30) = 39836486875/16777216
```

Sequence [0, 1, 2, 11/4, 15/4, 77/16, 25/4, 511/64, 657/64, 3361/256, 2155/128, 22067/1024, 28275/1024, 144821/4096, 23189/512, 950311/16384, 1217205/16384, 6235657/65536, 3993325/32768, 40915931/262144, 52404567/262144, 268472861/1048576, 85963675/262144, 1761600847/4194304, 2256219225/4194304, 11558841841/16777216, 7402148911/8388608, 75843963011/67108864, 97139172795/67108864, 497654197637/268435456, 39836486875/16777216]:
OEIS

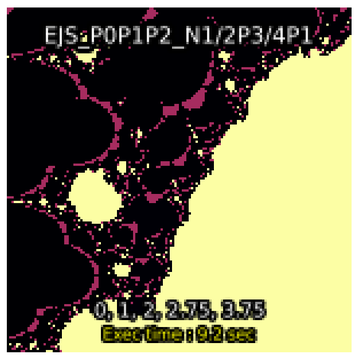
This sequence provides no significant data for the Universal Atlas of Geometric Constants GCEJS Derived from Linear Recurrences.

$$EJS\_P0P1P2\_N1/2P3/4P1_{GF}(x) = \frac{-x^2-x}{-\frac{x^3}{2}+\frac{3x^2}{4}+x-1}$$

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



Show 3D navigation in EJS_P0P1P2_N1/2P3/4P1



Time: 6.29851603508 sec (Global exec time)