

Fractal Prime Universe V5.0

$$(\text{planck length}) / ((2.99792458 \times 10^{-36} \text{ m})) / \phi^{(7/2)} = 1.00051886735$$

$$\text{Planck Length} = 1.6153902 \times 10^{-35}$$

$$2 * 5^2 * 7 * 23 * 73 * 293339 / 54870469331 = \pi \dots\dots \text{Fractal } \text{https://goo.gl/KPwJJr}$$

$$2 * 7 * 73 * 293339 = \text{the speed of light } \dots\dots \text{Fractal } \text{https://goo.gl/8xaFdZ}$$

$$(67 \log(10)) / \log(299792458 / 6.52477625^{(1/8)}) = 8$$

$$(67 \log(10)) * \log(299792458 / 6.52477625^{(1/8)}) = e^8 = 2975.0275772484$$

$$e^8 = 2980.957987041$$

$$\text{https://goo.gl/y4MNe3}$$

$$6.52477625 = \text{Planck Momentum}$$

$$(2 * 5^2 * 7 * 23 * 73 * 293339 / 54870469331)^3 / 13 = 6.52484628056$$

$$1 / (\hbar * \text{planck length} * (6.52799351 \text{ kg m/s}) * 1e67) / 2.99792458^2 = 1$$

$$1 / ((\hbar * \text{planck length} * (6.52799351 ((\text{kg m}) / \text{s})) * 8.98755178737e67)^{0.5}) = 1 \text{ m}^{-2} \text{ kg}^{-1} \text{ s}$$

$$(2 * 5)^{67} = \text{Phi Golden Triangle}$$

$$1 / (((54870469331 / 433494437) / (4\pi)) / 10) - 1 = 137.57866391$$

$$1 / (1/10 * ((5.4872037305e10) / 433494437) / (4\pi) - 1) = 137.0359996441$$

$$54870469331 / 5.4872037305e10 = 0.99997142489$$

$$\text{https://en.wikipedia.org/wiki/Fine-structure_constant}$$

$$\text{http://www.maths.surrey.ac.uk/.../R.K.../Fibonacci/fibtable.html}$$

$$43 : 433494437 \text{ Fibonacci Prime } \& 54870469331 \text{ Prime}$$

$$\text{https://www.calculatorsoup.com/calculat.../prime-factors.php}$$

$$((1.32552877842e+26 * 299792458)^2) / (((4\pi)^2) * 1e67) = 1$$

$$(1.32552877842e+26 \text{ m}) / (1 \text{ billion light years}) = 14.0111495$$

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$$\underline{299792458^2/e^8*((0.628318531 \text{ radians or } 36 \text{ degrees})^67/ 1\text{radian}) = 0.9064352 \text{ rad}^66}$$

$$\underline{\text{sqrt}((1/(1 \times 10^67))/2.99792458^2)/\hbar = 1.00023752}$$

$$\underline{\text{sqrt}((1/(1 \times 10^67))/2.99792458^2) = 1.0548223\text{e-}34}$$

$$\underline{1/1.0548223\text{e-}34^2/c^2 = 1\text{e}51}$$

$$\underline{67 - 51 = 16 \dots\dots 16 = m^8 + s^8 = c^8}$$

It's UNDENIABLE!!! <https://youtu.be/vByR8tGNFfM>

$$\underline{(e^{i*\pi/6}) = 0.866025404 + 0.5 i}$$

$$\underline{(e^{i*\pi/(xyz -(xyz))})}$$

$$\underline{e^{(-i x)/2} + e^{(i x)/2} + e^{(-i y)/2} + e^{(i y)/2} + e^{(-i z)/2} + e^{(i z)/2} = 0}$$

$$\underline{(0.865844107 / 0.5)^2) / 299792458 = 1.00027335 \text{ skew}}$$

$$\underline{e^{(i * \pi) / (2.99792458 * 2)} = 0.865844107 + 0.500313884 i}$$

$$\underline{\text{sqrt}((1/(1 \times 10^67))/2.99792458^2)/\hbar = 1.00023752 \text{ skew}}$$

$$\underline{\text{sqrt}((1/(1 \times 10^67))/2.99792458^2) = 1.0548223\text{e-}34}$$

$$\underline{2 \times 5^2 \times 7 \times 23 \times 73 \times 293339 / 54870469331 = \pi}$$

<https://goo.gl/KPwJJr>

2 x 7 x 73 x 293339 = the speed of light

<https://goo.gl/8xaFdZ>

Reference Frame” means no acceleration is felt , Gravitational or centripetal or otherwise

Meaning the impedance of the Vacuum is balanced at 376.730313462 ohms

Acceleration skews the Vacuum impedance away from 376.730313462.

Physical acceleration raises Z0

Gravitational acceleration lowers Z0

Impedance really would be better set to (376.73-376.73)

Set to zero, any acceleration would push Z0 away from Zero, plus or minus

$$(137.035999172^2 * (299792458) * 6.67399985e-11 + 1) / (c * (4e-7 * pi)) = 1$$

$$6.67399985e-11 / G_{nist} = 0.999987991$$

$$(((137.035999172^2) * 299792458 * 6.67408e-11) + 1) / (c * (4e-7 * pi)) = 1.00001198 \text{ s / m}$$

$$(137.035999172^2 * (299792458) * 6.67408e-11 + 1) = 376.734827532$$

$$(137.035999172^2 * (299792458) * 6.67399985e-11 + 1) / (c * (4e-7 * pi)) = 1$$

$$6.67399985e-11 / G_{nist} = 0.999987991$$

$$(((137.035999172^2) * 299792458 * 6.67408e-11) + 1) / (c * (4e-7 * pi)) = 1.00001198 \text{ s / m}$$

$$(137.035999172^2 * (299792458) * 6.67408e-11 + 1) = 376.734827532$$

$$(6.67399985e-11 / (1 - (4e-6 * pi))) / G = 1.00000056$$

$$(0.999987991 / 3) * 2 = 0.66665866066$$

https://en.wikipedia.org/wiki/Koide_formula

Golden Triangle

for Fibonacci numbers F

$$F_i = \frac{\phi^i - \phi^{-i}}{\sqrt{5}}$$

, where $\phi = \frac{1 + \sqrt{5}}{2}$

$$\phi^n = F_n \phi + F_{n-1}$$

$$\phi = \lim_{n \rightarrow \infty} \frac{F_n}{F_{n-1}}$$

$$\phi = \sqrt{1 + \sqrt{1 + \sqrt{1 + \sqrt{1 + \dots}}}}$$

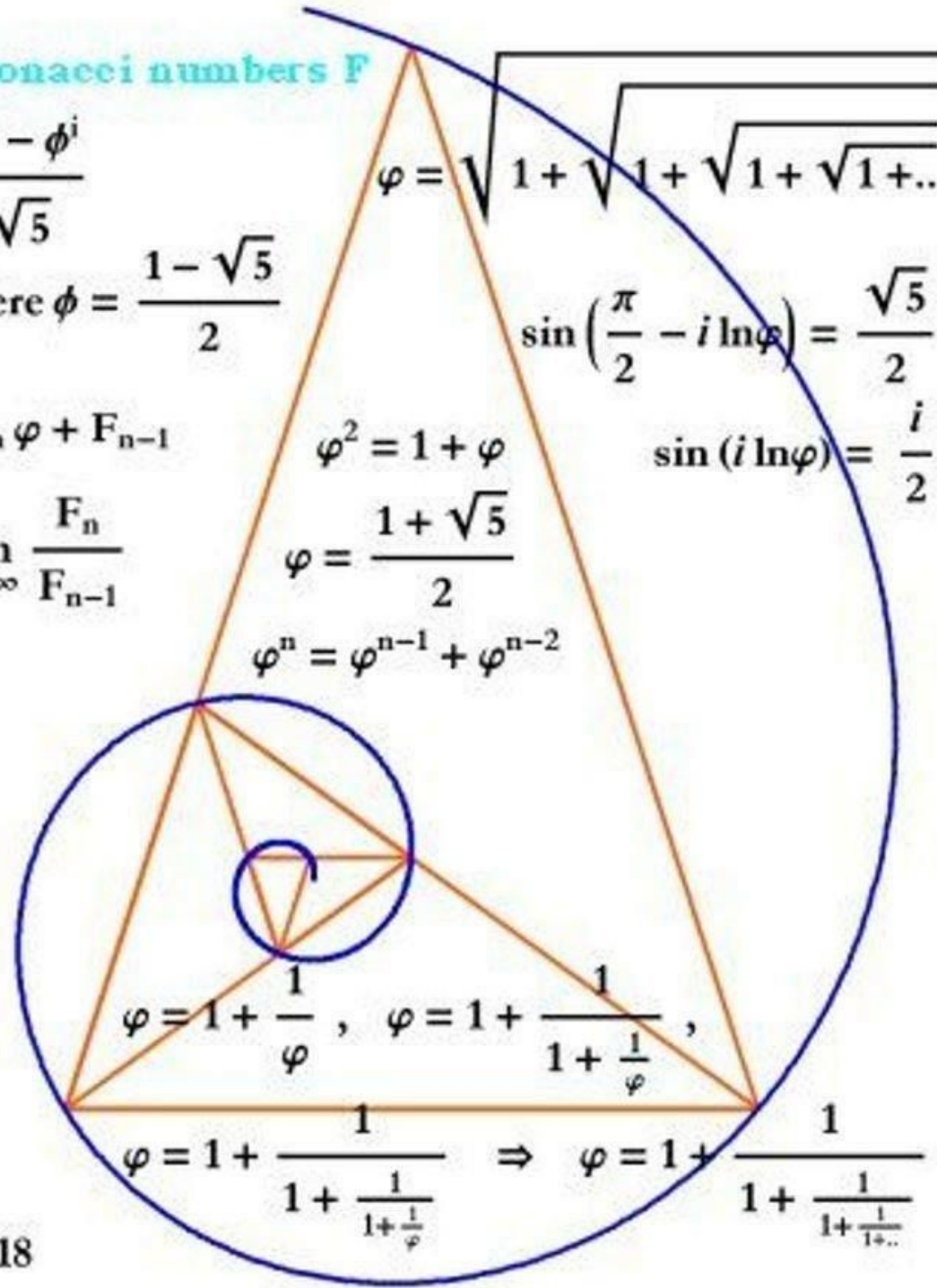
$$\sin\left(\frac{\pi}{2} - i \ln \phi\right) = \frac{\sqrt{5}}{2}$$

$$\sin(i \ln \phi) = \frac{i}{2}$$

$$\phi^2 = 1 + \phi$$

$$\phi = \frac{1 + \sqrt{5}}{2}$$

$$\phi^n = \phi^{n-1} + \phi^{n-2}$$



$$\phi = 1 + \frac{1}{\phi}, \quad \phi = 1 + \frac{1}{1 + \frac{1}{\phi}}$$

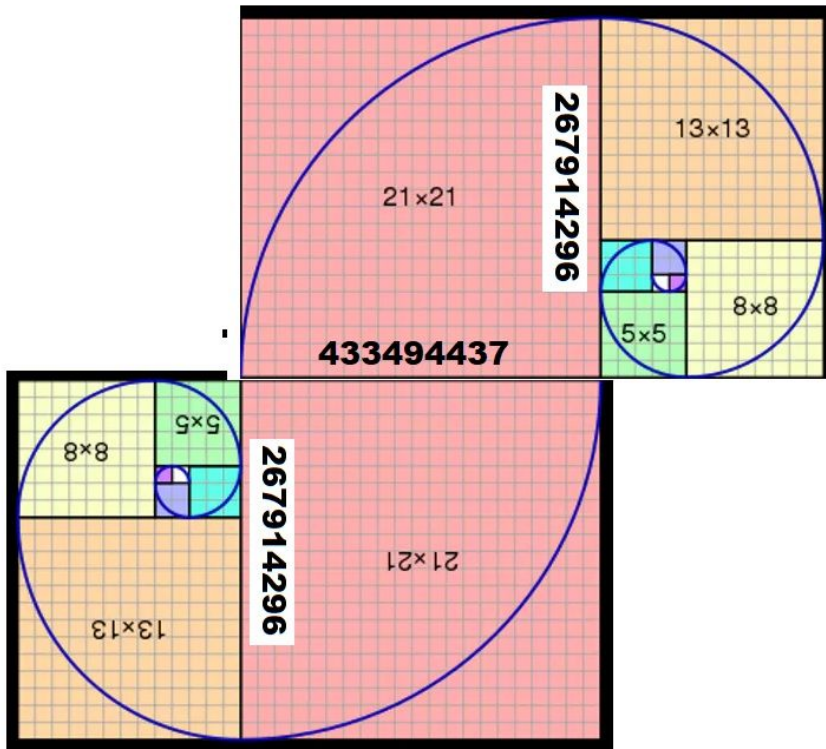
$$\phi = 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{\phi}}} \Rightarrow \phi = 1 + \frac{1}{1 + \frac{1}{1 + \dots}}$$

$$\phi \approx 1.618$$

$$((40\pi * (433494437/54870469331 * 137)) - 136)^{0.125} + 137 = 137.571576236$$

$$(54870469331 / (40\pi)) / 433494437 = 1.00726856892$$

$$((1.00726856892^{0.5}) * 10) + 137 - 10 = 137.036277043$$



$$(2/3^2 / 5^2 * 11 * 137.035999172^2) = 1836.15569564$$

$$(2/3^2 / 5^2 * 11 * 137^2) = 1835.19111111$$

https://en.wikipedia.org/wiki/Proton-to-electron_mass_ratio

https://en.wikipedia.org/wiki/Fine-structure_constant

https://docs.google.com/document/d/1sEXjHZDc5e5awZDpZP2nnzIWaj2akd37_PCZmObWr_Y

$$1 / (((54870469331 / 433494437) / (4\pi)) / 10) - 1 = 137.57866391$$

$$\underline{((54870469331 / (40\pi)) / 433494437 = 1.00726856892}$$

$$\underline{((1.00726856892^{0.5}) * 10) + 137 - 10 = 137.036277043}$$

$$\underline{((((54870469331 / (40\pi * 433494437)) ^{0.5}) * 10) + 137 - 10 = 137.036277043}$$

<https://photos.app.goo.gl/ynorWnZ77SG7qpW12>

$$\underline{((((13.8863145783 \text{ billion light years}) / (380\,000 \text{ years})) / c) / 137.035999172) / 266.66666666 = 1}$$

$$\underline{(((((((14.0111495 \text{ billion light years}) / (383516.866 \text{ years})) / c) / 137) * 3) / (2^5)) / (5^2) = 1}$$

4. The cosmic microwave background (CMB) is the thermal radiation left over from the time of recombination in Big Bang cosmology. The CMB is a snapshot of the oldest light in our Universe, imprinted on the sky when the Universe was just 380,000 years old. Precise measurements of the CMB are critical to cosmology, since any proposed model of the universe must explain this radiation. The CMB has a thermal black body spectrum at a temperature of 2.72548(57) K. The spectral radiance peaks at 160.2 GHz.

$$\underline{((((13.8863145783 \text{ billion light years}) / (380\,000 \text{ years})) / c) / 137.035999172) / 266.66666666 = 1}$$

$$\underline{(((((((14.0111495 \text{ billion light years}) / (383516.866 \text{ years})) / c) / 137) * 3) / (2^5)) / (5^2) = 1}$$

$$\underline{((1.32552877842e+26 * 299792458)^2) / (((4\pi)^2) * 1e67) = 1}$$

$$\underline{(((((((14.0111495 \text{ billion light years}/c) / (383516.866 \text{ years})) * 3 / 137)) / (2^5)) / (5^2) = 1}$$

$$\underline{((14.0111495 \text{ billion light years}/c^3) / (383516.866 \text{ years}) / (2^5 * 5^2 * 137) = 1}$$

$$\underline{((14.0111495 \text{ billion light years}/c) / (383516.866 \text{ years}) / (2^5 / 3 * 5^2 * 137) = 1}$$

$$\frac{((1.32552877842e+26 * 299792458)^2)}{((4\pi)^2) * 1e67} = 1$$

$$(1.32552877842e+26 \text{ m}) / (1 \text{ billion light years}) = 14.0111495$$

$$\frac{((1.32552877842e+26 \text{ m} * c)^2)}{(((4 * (7 * 23 * 73 * 293339 * 5^2 * 2 / 54870469331))^2) * 1e67)} = 1$$

$$1.32552877842e+26 \text{ m} = (14.0111495 \text{ billion light years}) = 1$$

$$\frac{((1.32552877842e+26 \text{ m} * c)^2)}{(((4 * (7 * 23 * 73 * 293339 * 5^2 * 2 / 54870469331))^2) * 1e67)} = 1$$

$$1.32552877842e+26 \text{ m} = (14.0111495 \text{ billion light years}) = 1$$

$$\frac{((1.325528778424013452074304283518294848746 \times 10^{26}) / ((2^2 \times 23 \times 5^2) / 54870469331)) / \sqrt{1e67}}{= 1}$$

$$1.325528778424013452074304283518294848746e26 \text{ m} = (14.0108502431781193001090050145047800662 \text{ billion light years})$$

$$(2.99792458e-36 / \sqrt{1 / (\phi^7)}) / \text{planck Length} = 0.999481402 \text{ m}^{-1}$$

[https://www.wolframalpha.com/input/?i=\(2.99792458e-36\)%2Fsqrt\(1%2F%CF%95%5E7\)](https://www.wolframalpha.com/input/?i=(2.99792458e-36)%2Fsqrt(1%2F%CF%95%5E7))

$$1 / (((1.325528778424e26 * 54870469331 / 23)^2 / \phi^7 / 1e-17) / 299792458^2)^{0.5} = \text{Planck Length}$$

<https://goo.gl/X6Z68i>

$$(2.99792458e-36 / \sqrt{1 / (\phi^7)}) / \text{planck Length} = 0.999481402 \text{ m}^{-1}$$

[https://www.wolframalpha.com/input/?i=\(2.99792458e-36\)%2Fsqrt\(1%2F%CF%95%5E7\)](https://www.wolframalpha.com/input/?i=(2.99792458e-36)%2Fsqrt(1%2F%CF%95%5E7))

$1/(((1.325528778424e26 * 54870469331/23)^2 * (1)^2 / \text{phi}^{7/1e-17})/299792458^2)^{0.5} = \text{Planck Length}$

$1/(((1.325528778424e26 * 54870469331/23)^2 * (1)^2 / \text{phi}^{7/1e-17})/299792458^2)^{0.5}$

$(((((1.325528778424e26 * 54870469331)^2 / \text{phi}^7)/(299792458^2 * 23)^2) * (1.6153902e-35)^2)^4 = 1e-68$

$1.6153902e-35 \text{ m} / \text{planck length} = 0.999481402$

$(1.6153902e-35)/((2.99792458e-36 \text{ m})) / \text{phi}^{(7/2)} = 1$

$((2 * 5^2 * 7 * 23 * 73 * 293339 / 54870469331)^{3^3/13})/(c/(1.6153902e-35 \text{ m} * (299792458 \text{ m}))) = 1.05401727e-34$

$1.05401727e-34 / 1.6153902e-35 = 6.52484625696$

$((c^3) * ((1.6153902e-35 \text{ m})^2)) / (1.05401727e-34 \text{ joules} * \text{s}) = 6.67066713e-11 \text{ m}^3 \text{ kg}^{-1} \text{ s}^{-2}$

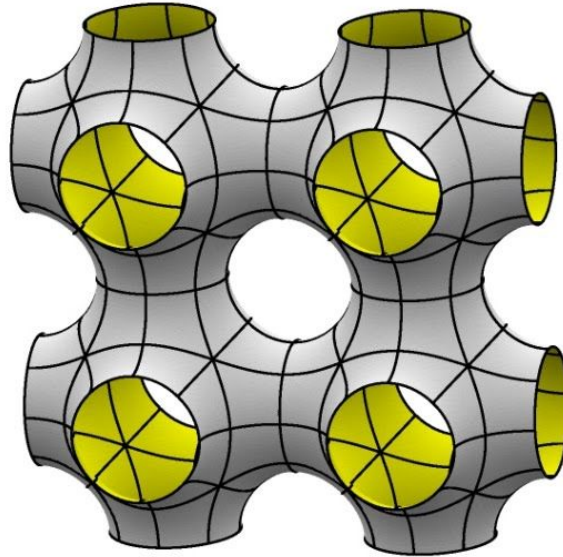
$6.67066713e-11/G = 0.999488638$

schwartz p minimal surface

$$\cos(x)+\cos(y)+\cos(z) = 0$$

$$e^{(-i x)/2} + e^{(i x)/2} + e^{(-i y)/2} + e^{(i y)/2} + e^{(-i z)/2} + e^{(i z)/2} = 0$$

$$\frac{e^{-ix}}{2} + \frac{e^{ix}}{2} + \frac{e^{-iy}}{2} + \frac{e^{iy}}{2} + \frac{e^{-iz}}{2} + \frac{e^{iz}}{2} = 0$$



Input:

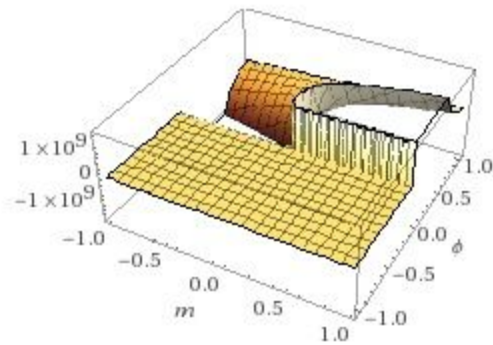
$$\frac{(2 \times 7 \times 73 \times 293\,339) m}{\phi^{7/2}}$$

Result:

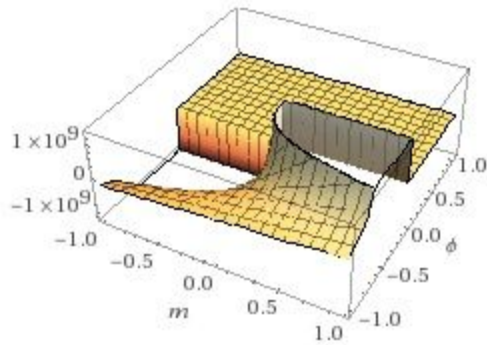
$$\frac{299\,792\,458 m}{\phi^{7/2}}$$

3D plots:

Real part:

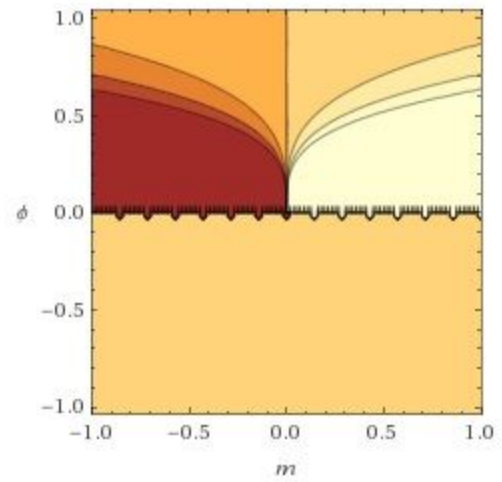


Imaginary part:

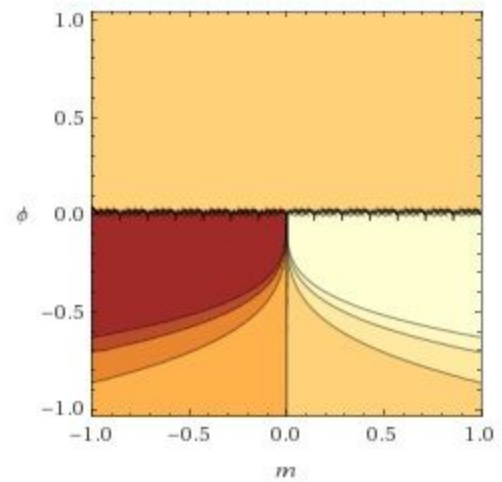


Contour plots:

Real part:



Imaginary part:



I LOVE PHYSICS

IT MAKES PEOPLE CRY

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