The Remarkableness of The Triple of Numbers (Pi, 4, 10)

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Abstract: this paper presents a collection of facts relating the triple of numbers (Pi, 4, 10) to our human reality, the system of Sun-Earth-Moon, with accuracy 99% and higher.

While this collection of 99+% accurate facts does not provide any definitive conclusions, persons interested in the philosophy of life may make their own conclusions…

- The difference between the circumference of a circle of diameter 1 and a square with side 1, or circle's discrete orthogonal outline=4-pi
- (4*pi-4)/(4-pi)~10.0
- Area of a square/area of a circle inscribed in it=4/pi
- (4-pi)/pi~0.2732
- Average duration of pregnancy~273 days
- Period of the Moon~27.32 days
- Period of prvhash-1 PH_HASH_COUNT=4*4 - 273 bits
- Freezing point of water~273.2 degrees K
- The boiling point of water is 100 degrees C (273.2+10*10 K)
- Volume expansion of freezing water (ice)~1/10 (sources dispute)
- Diameter of the Earth~(4-pi)/(pi*pi-pi)*10^5~12758 km, or ~4/pi*10^4~12732 km
- pi/(4-pi)~1/0.2732~3.66
- Normal human body temperature ~36.6 degrees C
- Earth diameter/Moon diameter~3.66, same with circumference
- Earth revolution period~366 days
- Earth Radius/Earth Center of Mass Displacement~3.66
- 366 revolutions of the Moon around the Earth~10^4 days
- Sun diameter/Moon diameter~400 (4*10*10), same with circumference
- Circumference of the Moon/Period of the Moon~400 km/day
- Circumference of the Earth~4*10^4 km
- Sun-Earth distance/Earth-Moon distance~400 (but highly variable due to elliptical orbit)
- Harmonic numbers of 27.32: 54.64, 81.96, 109.28, 136.6, 163.92, 191.24
- Earth Mass/Moon Mass~81.96(=81.28)
- Sun Diameter/Earth Diameter~109.28(=109.21)
- Circumference of the Moon~109.28*10*10(=10921) km
- Mass of the Sun/Mass of the Earth/Displacement of the center of mass of the Earth~191.24/m