

Quotes, and notes, from the movie:

$\pi$

1245: Restate my assumptions

1. Mathematics is the language of nature.
2. Everything around us can be represented, and understood through numbers.
3. If you graph the numbers of any system patterns emerge.

Therefore; There are patterns, everywhere, in nature.

Evidence:

The cycling of disease epidemics. The wax and wane of caribou populations. Sunspot cycles. The rise and fall of the Nile.

So, what about the stock market?

The universe of numbers that represents the global economy. Millions of human hands at work, billions of minds, a vast network, screaming with life. An organism, a natural organism.

My hypothesis:

Within the stock market there is a pattern as well. Right in front of me. Hiding behind the numbers. Always has been.

1250: Press return

The name of God is 216 hebrew characters long. 216 numbers. By pronouncing the name of God you will be enlightened, purified, one with God.

The name of Max's computer: Euclid

“As soon as you disregard scientific rigor you are no longer a Mathematician, you are a numerologist.”

## - Theta the Golden Spiral -



0442: New evidence

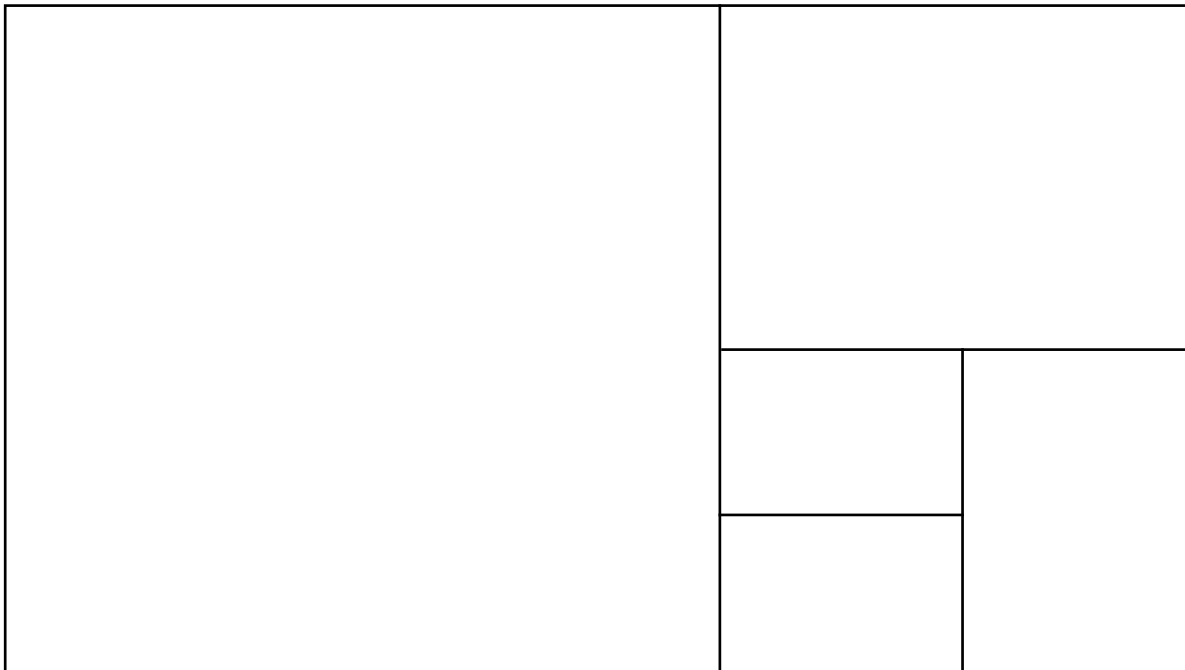
Remember Pythagorus. Mathematician, cult leader, Athens circa 500 BC

Major Beliefs:

The universe is made of numbers.

Major Contribution:

The Golden Ratio. Best represented geometrically as the Golden REctangle



A B  
A|B || A|A+B

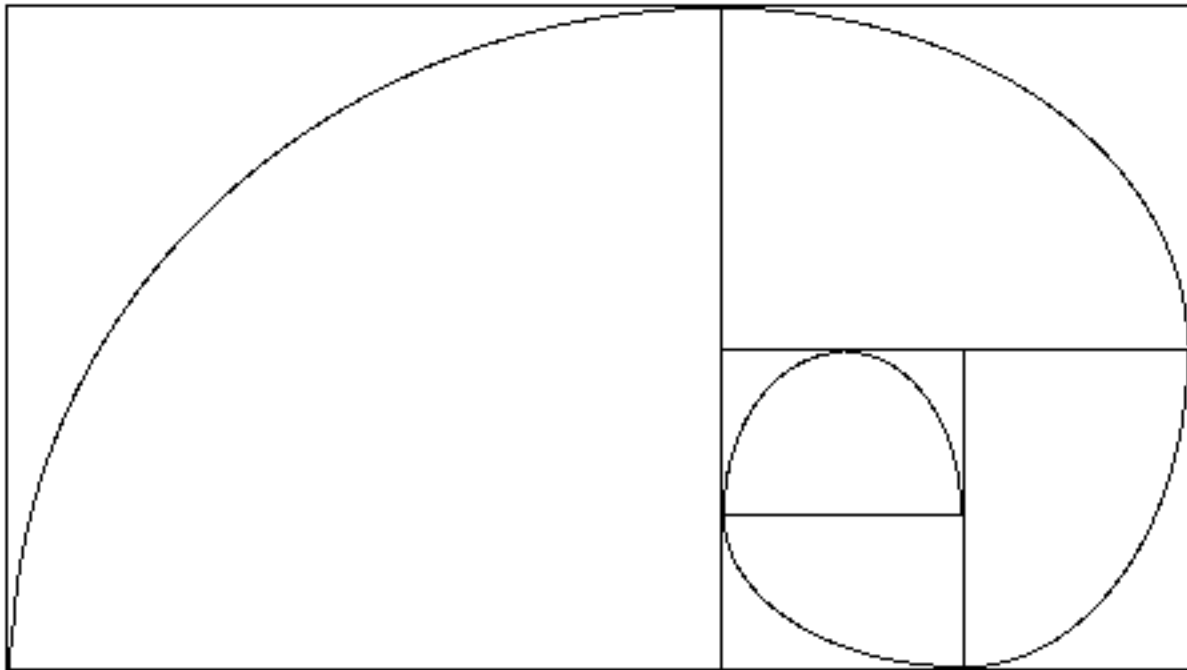
Visually; There exists a graceful equilibrium between the shapes length and width. When it's squared, it leaves a smaller Golden Rectangle behind, with the same unique ratio. The squaring can continue, smaller, and smaller, and smaller, to infinity.

## 1118: More Evidence

Remember DaVinci. Artist, inventor, sculptor, naturalist, Italy, 15th century.

Rediscovered the balanced perfection of the Golden Rectangle, and penciled it into his masterpieces.

Connecting a curve through the concentric rectangles will generate the mythical Golden Spiral. Pythagorus loved this shape, for he found it everywhere in nature. The Nautilus shell, Ram's horn, whirlpools, tornados, our fingerprints, our DNA, and even our Milky Way.



## 0922: Personal note

When I was a little kid, my mother told me not to look into the sun. So once when I was six I did. At first the brightness was overwhelming, but I had seen that before. I kept looking, forcing myself not to blink. And then the brightness began to dissolve. My pupils shrank to pinholes, and everything came into focus, and for a moment I understood.

My new hypothesis:

If we are built from spirals, while living in a giant spiral, then everything we put our hands to is infused with the spiral.

## The Chip:

A Ming Mecca.

Max Cohen: ...”They’re not even declassified yet.”

Dorsey: “You’re right, they’re not, but Lancet Percy has many good friends.”

## The Music:

Massive Attack, from the album Mezzanine.