

Continuum

by Kevin Halpin

The Golden Ratio and Fibonacci sequence account for 80 percent of the world's higher plants, and they are exhibited in the anatomy of living creatures from sea creatures and insects to mammals; they also define celestial phenomena in our solar system. The Golden Ratio is the epitome of beautiful proportions, and its mathematical and geometric abilities are as amazing as they are broad. The Fibonacci numbers have practical applications in fields as diverse as computing, data sorting, search algorithms, analysis of the financial market, and strategy. From the DNA double helix, clathrins and molecules to living creatures and entire galaxies, these doyens of science and mathematics are as the threads in the canvass of the universe.

In *Continuum* the Golden Ratio and Fibonacci sequence are examined by the same method of analysis as the other doyens of science had been in previous works. The holy grail of the Golden Ratio is found: how to calculate pi through the Golden Ratio. More than that, the Golden Ratio is calculated through pi and finally there's an explanation for how the Golden Ratio achieves Unity around 1. These discoveries and others explain why the Golden Ratio is defined by the relative distances between the planets, and it is discovered that the 3-4-5 triangle defines 0.618033989. In *Continuum* the model of information exhibited by the doyens of science matures into an even more powerful tool of analysis, ultimately proving how the elemental forms of nature are entirely interrelated.