Golden Ratio Butterflies
Clarissa Grandi

I have always been irresistibly drawn to color, symmetry, and pattern and have been lucky enough to pursue my interests in both mathematics and art.

The images featured here explore the use of the golden ratio, φ, as a proportioning guide. The "fractal packaging" nature of this ratio really intrigues me, and I have found that playing with it visually helps me better understand it mathematically. When I came across this beautiful origami swallowtail fold, designed by Evl Binzinger, I was compelled to make it from paper squares sized according to the ratio, with each smaller square approximately 0.618 times the previous one. I then began to play . . .

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