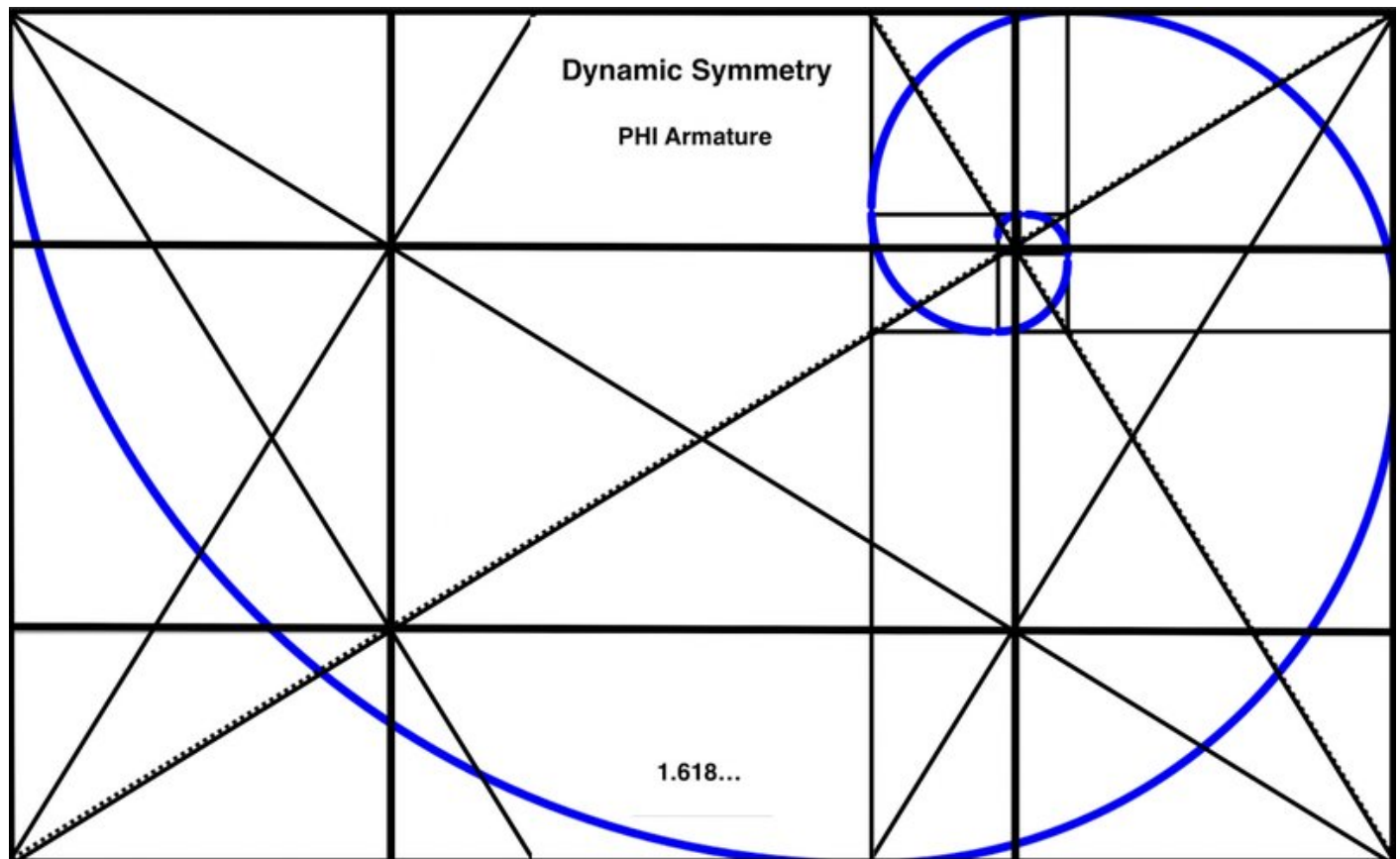# PHI Dynamic Symmetry Armature with a Golden Spiral Approximation

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Dynamic Symmetry

PHI Armature

1.618...

Material	Oil
Size	PHI Aspect Ratio
Price	

Expanded+ Armature for our "Golden" paintings (or near-golden), superimposing the spiral onto the Expanded Dynamic Symmetry Armature. The golden spiral is approximated by the Fibonacci or Whirling Squares' Spiral. The whirling squares are constructed within rectangles as they rotate around a point which is sometimes denoted the eye of the spiral (in this case at the upper right). Note in passing that the squares formed here have side lengths, successive Fibonacci terms: 0,1,1,2,3,5,8,13 (in reverse), etc, where each term is the sum of the previous two terms. **Nice Diagram Here.**

The ratios of successive Fibonacci terms gets closer and closer to the Golden Ratio (1.168...): 2/1 = 2, 3/2 = 1.5, 5/3 - 1.666.., 8/5 = 1.6, 13/8=1.625, 21/13=1.615..., 34/21=1.619..., 55/34=1.6176..,
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For this expanded+ armature, the intersection of the main diagonal with its reciprocal coincides with the 'eye' or polar point of the spiral. We used this armature for the near-golden rectangular paintings in this exhibition.

The Golden Ratio has been hailed since antiquity by artists such as Leonardo Da Vinci as the most beautiful, perhaps because it can be seen throughout nature (galaxy and fern spirals, Nautilus Shell, the human body, etc.).