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Frank A. Farris* (ffarris@scu.edu), 500 El Camino Real, 314 O'Connor Hall, Santa Clara University, Santa Clara, CA 95053. *Fibonacci Wallpaper Spirals: Painting and Animation.*

Inspired by John Edmark's "Blooms," I show how to take any wallpaper pattern and wind it around the plane into a family of Fibonacci spirals. The domain-coloring algorithm allows us to paint spiral patterns with the colors and textures of any photograph. When we view rotations of spirals like these in the correct time sequence, they produce a remarkable blooming effect. I will show animations of flat spiral images, as well as virtual 3D models. (Received September 25, 2017)