Margaret Kepner* (renpek1010@gmail.com). Visualizing Integer Sequences – Part 2. Preliminary report.

The patterns within integer sequences can be revealed by displaying them in various visual formats. One example is the Ulam Spiral, where the prime numbers are plotted on a square spiral, producing unexpected patterns. This approach can be generalized to other sequences and formats. In the past, I have explored various grid layouts, relying primarily on color to plot the integers belonging to a particular sequence. More recently, I have expanded my vocabulary to include variations in orientation, shape, and texture. I will show how several of the resulting images relate to pieces of modern art. Finally, I will explain how I have used patterns generated by integer sequences in my own artistic work. (Received September 08, 2019)