1145-D1-2549   **Margaret Kepner*** (`renpek1010@gmail.com`). *Visualizing Integer Sequences.* Preliminary report.

Integer sequences, such as the primes or the Fibonacci numbers, convey mathematical concepts in a compact form. 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. In this talk, I will explore integer sequences displayed in various formats. I will show how several of the resulting images resemble pieces of modern art. Finally, I will explain how I have used patterns generated by integer sequences in my own artistic work. (Received September 25, 2018)