1046-J1-2018   **Stephen H. Harnish*** (`harnishs@bluffton.edu`), Bluffton University, 1 University Drive, Bluffton, OH 45817. *Art from the Margins: Questions raised by artistic patterns illustrating FLT.*
Excel spreadsheets will illustrate the moduli of initial and middle sums of a few key sequences, especially those of the form $\{(k+1)^n - k^n\}$ for $k = 0, 1, 2, \ldots$ Many of the resulting patterns exhibit order, symmetry and subtle artistry while also prompting mathematical questions appropriate for undergraduate research and some visual insight into special cases of Fermat's Last Theorem. From such explorations emerges a final question: "For Fermat, just how wide of a margin might have sufficed?" (Received September 16, 2008)