

1145-R1-2698      **Yevgeniy V. Galperin\*** (egalperin@po-box.esu.edu), 200 Prospect St, East Stroudsburg, PA 18301. *Digital Image Processing in the Math Major Curriculum.*

We discuss the use of digital image processing as a vehicle to review the fundamental concepts and techniques taught in the undergraduate mathematics curriculum as well as basic computer programming techniques in a fun and engaging context. We also demonstrate that digital image processing (combined with MATLAB programming) is the right context for introducing Complex Analysis, Fourier Analysis, and Wavelet Theory. Our presentation includes a sample of student projects. (Received September 25, 2018)