1023-F5-1662   **Yu-Ju Kuo*** (`yjkuo@iup.edu`), 210 South 10th St., Indiana, PA 15705. *Edge Detection.*
Edge Detection is not only an important issue in image analysis, but also shows mathematical difficulties. This talk will introduce a few methods for edge detection. We will start from using the idea of derivative to detect jumps, then get into using annihilate polynomials to model jumps. We will also demonstrate some results from different methods and discuss some difficulties from the methods and applications. (Received September 26, 2006)