1058-15-214 **Judith J. McDonald*** (jmcdonald@math.wsu.edu), Dept. Of Math, Box 643113, Pullman, WA 99164-3113, and **Jeff Stuart**. *Spectrally Arbitrary Ray Patterns.*

An nxn zero-nonzero, sign, or ray pattern over a given field is said to be spectrally arbitrary over that field if any monic n-th degree polynomial from that field can be realized as the characteristic polynomial of a matrix with entries from the field, so that the matrix realization matches the given pattern. In this talk we will look at spectrally arbitrary ray patterns over the field of complex numbers. (Received February 15, 2010)