1056-30-957 Michael J Miller* (millermj@lemoyne.edu), Dept of Mathematics, Le Moyne College, Syracuse, NY 13214. On minimal Rolle's domains for complex polynomials.

Define a subset of the complex plane to be a *Rolle's domain* if it contains (at least) one critical point of every complex polynomial P such that P(-1) = P(1). Define a Rolle's domain to be *minimal* if no proper subset is a Rolle's domain. In this paper, we investigate minimal Rolle's domains. (Received September 18, 2009)