1070-37-181 Araceli Bonifant* (bonifant@math.uri.edu), Department of Mathematics, URI, Lippitt Hall, Room 200, 5 Lippitt Road, KIngston, RI 02881, Jan Kiwi (jkiwi@puc.cl), Facultad de Matematicas, PUC, Pontificia Universidad Catolica, Casilla 306, Correo 22, Sanntiago de Chile, Chile, and John Milnor (jack@math.sunysb.edu), Institute for Mathematical Sciences, Stony Brook University, Stony Brook, NY. The period p curve, $\mathcal{S}_{p}$ for Cubic Polynomials.
The parameter space $\mathcal{S}_{p}$ for monic centered cubic polynomial maps with a marked critical point of period $p$ is a smooth algebraic curve whose genus increases rapidly with $p$. In this talk I will discuss the topology of $\mathcal{S}_{p}$. (Received February 10, 2011)

