

1014-E1-1257 **Mohammad Salmassi*** (msalmas@frc.mass.edu), Math Dept. Framingham State College, 100 state street, Framingham, MA 01701, and **Thomas Koshy**. *New results on Jacobsthal and Fibonacci polynomials*. Preliminary report.

We will report on some new results related to Fibonacci and Jacobsthal polynomials. For example, we will show that there is an intriguing relationship between Jacobsthal and Fibonacci polynomials. This relationship is used to find zeros of Jacobsthal polynomials explicitly. Both polynomials have unimodal coefficients. We will show how to find the largest coefficient in each class of polynomials. The largest coefficient may not be unique just like it is not in the case of binomial coefficients. (Received September 27, 2005)