

This thesis is focused on the irreducibility of polynomials over finite fields. Paper Evan M. O'Dorney, Visibly irreducible polynomials over finite fields, when proving irreducibility uses visibly irreducible decomposition VID, which is a type of decomposition easily determining irreducibility. In the thesis we analyse in detail results from this paper. Furthermore we generalize the definition of VID from the mentioned paper by omitting a condition on any degree of polynomials.