Groups and symmetries: From the Neolithic Scots to John McKay April 27 - 29, 2007

Symmetric functions, Faber polynomials, and replicable functions

Jack Morava jack@math.jhu.edu Department of Mathematics The Johns Hopkins University Homewood Campus Baltimore, MD 21218 USA

Abstract

I will try to explain some things John McKay has told me about relations between Hecke operations, Faber polynomials, and replicable functions, in terms of universal properties of the ring of symmetric functions.