

1059-05-207

John Shareshian* (shareshi@math.wustl.edu) and **Michelle Wachs**
(wachs@math.miami.edu). *Chromatic quasisymmetric functions.*

Given a graph G , we study a quasisymmetric function F_G with coefficients in the ring of polynomials in one variable t . Upon substituting 1 for t , F_G becomes Stanley's chromatic symmetric function. I will discuss various results about the functions F_G . (Received February 23, 2010)