

1077-05-2348

Ji Young Choi* (jychoi@ship.edu), 1871 Old Main Dr, Shippensburg University, Department of Math, Shippensburg, PA 17257. *Generating Differential Equations for Multi-restricted Stirling numbers*. Preliminary report.

A differential equation with a polynomial solution, is called the generating differential equation for the sequence $\{a_n\}_{n \geq 0}$, if a_n is the coefficient of x^n in the polynomial solution. This talk will present generating differential equations for Multi-restricted Stirling numbers of the second kind, which is a generalization of the differential equation for the Bessel numbers. (Received September 22, 2011)