1085-33-48 Victor H Moll* (vhm@math.tulane.edu), Department of Mathematics, Tulane University, New Orleans, LA 70118. An umbral calculus approach to Bernoulli polynomial identities. Preliminary report.

A variety of nonlinear functionals of Bernoulli polynomials recently proposed by Y. P. Yu are described in terms of a probabilistic approach to umbral calculus. Applications to a variation of Bernoulli numbers given by Zagier are also given. (Received August 21, 2012)