

1116-13-556

Omprokash Das and **Karl Schwede*** (schwede@math.utah.edu). *The geometry of the F -different.*

We study the behavior of Frobenius splittings, and generalizations thereof, when restricted to compatible quotient rings (or equivalently subvarieties). I will discuss connections with the canonical bundle formula and subadjunction as studied in algebraic geometry. (Received September 07, 2015)