

1023-26-1018 **Nasser Dastrange*** (dastrange@bvu.edu), Storm Lake, IA 50588. *Functional equations associated with some mean value theorems of differential calculus*. Preliminary report.

In this talk we compare the mean value theorems of Lagrange, Newton, and Cauchy. Furthermore we discuss some applications of the mean value theorems of differential calculus and related functional equations.

Additionally, more recent investigations, examples, and conjectures will be presented. (Received September 24, 2006)