1100-39-159 **Julia St. Goar*** (s-jstgoar1@math.unl.edu), UNL: Department of Mathematics, 203 Avery Hall, Lincoln, NE 68588. *Nabla vs. Delta.*

Most definitions in delta fractional calculus, including that of the derivative, are defined using the delta difference and forward jump operator. However, with some modifications of the domain one may also construct a derivative and other definitions using the nabla difference and backward jump operator, resulting in nabla fractional calculus. This talk will focus on the properties of nabla fractional calculus, particularly where striking differences arise between nabla and delta fractional calculus. (Received February 06, 2014)