

Meeting: 1003, Atlanta, Georgia, SS 26A, AMS-SIAM Special Session on Dynamic Equations on Time Scales; Integer Sequences and Rational Maps, I

1003-34-242 **Doug Anderson*** (andersod@cord.edu), Department of Mathematics, 901 S. 8th Street,
Moorhead, MN 56562. *Adjoint and Self-Adjoint Forms for Higher-Order Dynamic Equations.*

Using mixed nabla and delta derivatives, possible adjoint and self-adjoint time-scale operators (with respect to certain Lagrange brackets) are introduced. The relation between these forms and elementary linear dynamic Hamiltonian systems is also presented. (Received September 02, 2004)