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Nuriye Atasever* (na00487@georgiasouthern.edu) and **Billur Kaymakcalan** (billur@georgiasouthern.edu). *Basics of Diamond-Alpha Dynamic Equations and Inequalities*. Preliminary report.

Basic calculus properties of diamond-alpha dynamic equations, which are convex combinations of delta and nabla dynamic equations are given and their importance and advantages are illustrated with some examples. A survey of recent works in this area are also given. This is Part-I of a joint work with Billur Kaymakcalan. (Received January 17, 2011)