1128-05-333   **Kenneth J. Prevot*** (`prevot@msudenver.edu`), Department of Mathematics, Metropolitan State University of Denver, Denver, CO 80217-3362. *Some Notes on the boundary operator on the n-cube.* Preliminary report.

Let $I^n = [0,1] \times [0,1] \times \ldots \times [0,1]$, the Cartesian product of n unit intervals, denote the standard n-cube. This paper discusses certain aspects of the boundary operator ∂ on I^n. A few basic formulas and some geometric results are presented with mention of relationships to elementary calculus and elementary number theory. This talk is expository in nature. (Received March 01, 2017)