

ERRATA

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This is an Errata for the thesis: Closed-form and Matrix En/Decoding Evaluation on Different Erasure Codes.

1. For some clarification in the title page, this thesis is submitted in partial fulfillment for degree of Master of Science in the Department of Electrical and Computer Engineering in University of Minnesota-Twin Cities.
2. In the thesis, every phrase of “close-form” should be replaced by “closed-form”. As explained in the thesis, “closed-form” implies the decoding process ends up with n linear equations with n unknown symbols. By solving these equations, we can reconstruct the lost symbols.
3. In Section 1.2, we compared RAID-DP and RAID6 (both provides capability of recovering double failures). We furthermore compared Reed-Solomon(RS) code and XOR-based code. Part of this section cited the blog of “Erasing misconceptions around RAID & Erasure Codes” from NetApp community.
4. In Section 3.3 and 3.4, we cited the papers: *Row-Diagonal Parity for Double Disk Failure Correction* and *RAID Triple Parity* to prove the correctness of these reconstruction algorithms.