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Carolyn Mayer* (cdmayer@wpi.edu). *Distributions for Luby Transform Codes with Low Encoding Node Degrees*. Preliminary report.

Luby Transform (LT) codes are class of rateless erasure codes. The encoded symbols of an LT code are generated by dynamically constructing a bipartite graph according to a degree distribution. The performance of an LT code is tied to the degree distribution chosen. We investigate degree distributions in which nodes corresponding to encoded symbols are restricted to low degrees. (Received September 17, 2019)