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**Allison Beemer\*** ([allison.beemer@huskers.unl.edu](mailto:allison.beemer@huskers.unl.edu)). *Trapping and Absorbing Sets in SC-LDPC Codes.*

Spatially coupled low-density parity-check (SC-LDPC) codes have garnered widespread interest due to their capacity-approaching performance and superior density evolution thresholds on almost any channel. Furthermore, SC-LDPC codes may be decoded using a *windowed decoder* that slides along the code's Tanner graph, making them good candidates for applications such as streaming. However, SC-LDPC codes are still prone to error floors; we present strategies for SC-LDPC code design that seek to minimize the negative effects of the graphical substructures (*trapping sets* and *absorbing sets*) that characterize decoder failure at high signal-to-noise ratios. (Received August 30, 2016)