

1154-94-1115 **Emily McMillon***, emily.mcmillon@huskers.unl.edu, and **Allison Beemer** and **Christine A Kelley**. *Graph-Based Codes & Window Decoding*. Preliminary report.

Graph-based codes have been shown to be capacity-achieving over many channels using low-complexity graph-based iterative decoders. It is well known that certain graph substructures, such as absorbing sets, can prohibit the decoder from succeeding. In this talk, we will present results on the existence of absorbing sets in LDPC code graphs, and the implication of these results for spatially-coupled LDPC codes under window decoding. (Received September 13, 2019)