

1131-05-171 **Mitch Phillipson*** (mphilli2@stedwards.edu). *Generalized RNA foldings and their move graphs*. Preliminary report.

RNA is a single stranded molecule, unlike its double helix cousin DNA. Much like DNA, RNA consist of 4 nucleotides where each nucleotide can bond with exactly one other nucleotide. This idea is abstracted, instead of the bonding being a matching what if we allow a general graph. The goal of this talk is to determine which graphs preserve certain nice properties that arise when considering only matchings. (Received July 13, 2017)