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*Hamilton cycle embeddings of complete tripartite graphs*

Ellingham and Stephens showed that if  $m \geq n - 1$  then in all but one case the nonorientable genus of  $\overline{K_m} + K_n$  is the same as that of its subgraph  $K_{m,n}$ . Only partial results are known for the orientable case. We give new results using hamilton cycle embeddings of complete tripartite graphs  $K_{n,n,n}$ , which are of independent interest. We construct these embeddings using a variety of techniques. This is joint work with Justin Z. Schroeder.