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Ryan W Solava* (ryan.w.solava@vanderbilt.edu) and **Mark Ellingham**. *Fine structure of 3-connected $K_{2,t}$ -minor-free graphs.*

In this talk, I will discuss two results that describe the structure of graphs that avoid certain minors. The first of these is a structural characterization of 3-connected $K_{2,5}$ -minor-free graphs. The second describes the structure of 3 and 4-connected $K_{2,t}$ -minor-free graphs for any given t . This result gives some asymptotic information about the number of graphs in these families. (Received September 18, 2018)