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**Carolyn Chun\*** (chchchun@gmail.com), John Crank 408, Brunel University London, Uxbridge, UB8 3PH, United Kingdom, and **Dillon Mayhew** and **James Oxley**. *A splitter theorem for internally 4-connected graphs.*

Tutte proved that every 3-connected graph that is not a wheel has an edge whose deletion is 3-connected or whose contraction is 3-connected. Seymour showed that, in addition to preserving 3-connectivity, removing an edge in the right way will preserve a pre-selected minor, as long as the minor is not a wheel. In this talk, we discuss these fundamental inductive tools and present analogues for internally 4-connected graphs. (Received September 12, 2014)