1146-05-221 **Sandra R. Kingan*** (`skingan@brooklyn.cuny.edu`). *Minor Preserving Deletable Edges in Graphs.*

Suppose G and H are simple 3-connected graphs and G has a proper H-minor. An edge e is called an H-deletable edge if $G\backslash e$ is 3-connected and has an H-minor. If G has no H-deletable edges, then G is called H-critical. We give a construction theorem for H-critical graphs, and as a result we obtain a new construction algorithm for minimally 3-connected graphs. Portions of this talk are joint work with Manoel Lemos and Robert Kingan. (Received January 22, 2019)