1113-05-168   **Mark Ellingham*** (`mark.ellingham@vanderbilt.edu`), **Emily Marshall**, **Tom McCourt** and **Tony Nixon**. *Excluding small minors of connectivity* 2.

Much is known about graphs that exclude specific small 3-connected graphs as minors. Besides a number of results on specific important graphs, a systematic study has been conducted by Ding and Liu. However, much less is known about graphs that exclude specific small graphs of connectivity 2 as a minor. Excluded minors of connectivity 2 occur, for example, when examining minor-closed addable classes of graphs, or in certain problems related to the traveling salesman problem. We report on a systematic study of the results of excluding particular small graphs of connectivity 2 as a minor. (Received August 20, 2015)