1135-05-2280   **Thomas M McKenzie*** (`mckenzie@gonzaga.edu`), Gonzaga University, Department of Mathematics, 502 East Boone Avenue, Spokane, WA 99258. *Book Embeddings and Matroids.* Preliminary report.

We develop the concept of an outerplanar matroid. Then we look at examples of such matroids from graph theory, linear algebra, and commutative algebra. Next we use outerplanar matroids to develop the concept of a matroid book embedding. Finally, we look at examples of outerplanar book embeddings in the three areas mentioned above. (Received September 25, 2017)