

Möbius Book Embeddings

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A standard n -book is a line in 3-space, called the spine, together with n half-planes, called pages, joined together at the spine. A graph is embedded in a book if all vertices of the graph are placed on the spine and each edge is placed on a page so that no two edges cross. We consider a variation on the book-embedding problem in which pages are Möbius strip and the spine is a line segment lying across the width of the strip. Edge bounds and optimal embeddings of various families of graphs are given for the corresponding Möbius books.

Keywords: Möbius band, book-embedding