

1096-05-1076

**Jesse Taylor\*** (jtjessetaylor@gmail.com). *On matroid minors that guarantee their duals as minors.*

A fundamental operation for matroids is the construction of the dual. This talk solves the problem of determining all 3-connected binary matroids  $N$  such that, whenever a 3-connected binary matroid  $M$  has an  $N$ -minor, and  $M$  is large enough,  $M$  also has the dual of  $N$  as a minor. No previous familiarity with matroids will be assumed. (Received September 12, 2013)