1073-40-169   **Amanda J Bienz*** (`abienz@elon.edu`), 3531 Campus Box, Elon University, Elon, NC 27244.
Magic Polygrams.

Polygrams, such as hexagrams and octograms, are considered magic when every row shares a common sum, or magic constant. A computer can find magic polygrams through exhaustive searches. However, for most polygrams, there are too many possible arrangements for a computer to handle, so these must be limited algorithmically. Acquiring the possible arrangements of even and odd numbers as well as the range in which the magic constant must fall can reduce the number of permutations enough that a computer can find the solutions. (Received August 01, 2011)