Rotaru, Paul
Geometric construction of strictly positive singular matrices. (Construction géométrique de matrices singulières strictement positives.) (French) Zbl 1410.15060

Summary: It is rare for a square matrix with real coefficients chosen at random to be singular. In this paper we give a simple geometrical method for constructing singular and strictly positive matrices, of order three or higher. Some computation are done with Maple.

MSC:
15B48 Positive matrices and their generalizations; cones of matrices
51N20 Euclidean analytic geometry

Keywords:
singular matrix; positive matrix

Software:
Maple