

ZMATH 2012e.00660

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A class of matrices with zero determinant.

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Summary: Let $a_1, a_2, \dots, a_n, b_1, b_2, \dots, b_n$ be real numbers and the $n \times n$ matrix C be defined with entries $c_{ij} = (a_i + b_j)^k$, where k is a positive integer. If $n > k + 1$, then $\det(C) = 0$, and if $n = k + 1$, then $\det(C)$ is a product involving two Vandermonde determinants.

Classification: H60

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