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A new simple approach to linear dependence. (English) [Zbl 1081.15500](#)
[Acta Univ. Carol., Math. Phys. 45, No. 1, 29-32 \(2004\)](#).

Summary: We show how to prove that m given vectors of F^m are linearly dependent and how to find a non-trivial linear combination of these vectors giving the zero vector in this case without solving any system of equations.

MSC:

[15A03](#) Vector spaces, linear dependence, rank, lineability

Keywords:

[linear dependence](#); [vectors](#); [linear combination](#)

Full Text: [EuDML](#)