SOME BOUNDS FOR CENTRAL MOMENTS AND SPREADS OF MATRICES

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Abstract. In this paper, we obtain some inequalities for the central moments of discrete and continuous distributions, which, in turn, gives some lower bounds for the spread of a matrix when all of its eigenvalues are real. Likewise, we obtain lower bounds for the span of a polynomial equation.


Keywords and phrases: Central moments, trace, positive linear functionals, eigenvalues, span, polynomial.

REFERENCES