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A NOTE ON LINEAR DISCREPANCY*

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Abstract. Close upper and lower bounds on the linear discrepancy of incidence matrices of directed graphs are determined. For such matrices this improves on a bound found in the work of Doerr [Linear discrepancy of basic totally unimodular matrices, The Electronic Journal of Combinatorics, 7:Research Paper 48, 4 pp., 2000].

Key words. Linear discrepancy, Combinatorial matrix theory, Incidence matrices.

AMS subject classifications. 05C50, 15A15.

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