A GENERALIZATION OF HILBERT’S INEQUALITY

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Abstract. In a generalization of the classical Hilbert inequality by Hardy, Littlewood and Pólya, the best constant for an inequality is determined provided that the generating function for the corresponding matrix satisfies certain monotonicity condition. In this paper, we determine the best constant for a class of inequalities when the monotonicity condition is no longer satisfied.

Keywords and phrases: Hilbert’s inequality.

REFERENCES