ON A RESULT OF LEINDLER

R. N. MOHAPATRA AND F. L. SALZMAN

Abstract. In this paper we give an alternative proof of a result of Leindler on Hardy type inequalities. This method can also be used to obtain alternative and simpler proofs of other results.

REFERENCES

[1] DAVIES, G. S. AND PETERSEN, G. M., *On an inequality of Hardy's (II)*, Quart. J. Math. (Oxford), **15** (1964), 35–40.
[2] HARDY, G. H. AND LITTLEWOOD, J. E., *Elementary theorems concerning power series with positive coefficients and moment constant of positive functions*, J. Reine Angew. Math., **157** (1927), 141–158.
[3] JOHNSON, JR., P. D. AND MOHAPATRA, R. N., *Inequalities involving lower-triangular matrices*, Proc. London Math. Soc., **41** (1980), 83–137.
[4] LEINDLER, L., *Generalization of inequalities of Hardy and Littlewood*, Acta Sci. Math. (Szeged), **31** (1970), 279–285.
[5] LEINDLER, L., *Further sharpening of inequalities of Hardy and Littlewood*, Acta Sci. Math. (Szeged), **54** (1990), 285–289.
[6] LEINDLER, L., *Some inequalities of Hardy-Littlewood type*, Analysis Mathematica, **20** (1994), 95–106.
[7] NÉMETH, JÓZSEF, *Generalization of the Hardy-Littlewood inequality*, Acta Sci. Math. (Szeged), **32** (1971), 295–299.

Mathematical Inequalities & Applications
www.ele-math.com
mia@ele-math.com