

A NOTE ON ABSOLUTE RIESZ SUMMABILITY FACTORS

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Abstract. In the present paper a theorem on $|\bar{N}, p_n|_k$ summability factors of infinite series has been proved under more weaker conditions. Also we have obtained a new result concerning the $|C, 1|_k$ summability factors.

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REFERENCES

- [1] S. ALJANCIC, D. ARANDELovic, *O-regularly varying functions*, Publ. Inst. Math., **22**, (1977), 5–22.
- [2] H. BOR, *On two summability methods*, Math. Proc. Camb. Philos Soc., **97**, (1985), 147–149.
- [3] H. BOR, *A note on two summability methods*, Proc. Amer. Math. Soc., **98**, (1986), 81–84.
- [4] H. BOR, *A note on $|\bar{N}, p_n|_k$ summability factors of infinite series*, Indian J. Pure Appl. Math., **18**, (1987), 330–336.
- [5] H. BOR, *Absolute summability factors for infinite series*, Indian J. Pure Appl. Math., **19**, (1988), 664–671.
- [6] T. M. FLETT, *On an extension of absolute summability and some theorems of Littlewood and Paley*, Proc. London Math. Soc., **7**, (1957), 113–141.
- [7] G. H. HARDY, *Divergent Series*, Oxford Univ. Press., Oxford, (1949).
- [8] E. KOGBETLIANTZ, *Sur les séries absolument sommables par la méthode des moyennes arithmétiques*, Bull. Sci. Math., **49**, (1925), 234–256.
- [9] S. M. MAZHAR, *A note on absolute summability factors*, Bull. Inst. Math. Acad. Sinica, **25**, (1997), 233–242.
- [10] K. N. MISHRA, R. S. L. SRIVASTAVA, *On $|\bar{N}, p_n|$ summability factors of infinite series*, Indian J. Pure Appl. Math., **15**, (1984), 651–656.