ON A SUMMABILITY FACTOR THEOREM

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Abstract. Let $1 < k \leq s < \infty$. In the present paper we obtain sufficient conditions for a series $\sum a_n$, which is absolutely summable of order $k$ by a weighted mean method to be such that $\sum a_n \lambda_n$ is absolutely summable of order $s$ by a triangular matrix. As corollary of this result we obtain an inclusion theorem.

Key words and phrases: absolute summability, weighted mean matrix, summability factor.

REFERENCES