

## FOUR DIMENSIONAL MATRIX SUMMABILITY OF DOUBLE SEQUENCE OF SETS WITH RESPECT TO MODULUS FUNCTION

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*Abstract.* In this article, we have extended the idea of strong Cesaro summability to the idea of strong  $T$ -summability of double sequence of closed sets with respect to modulus function, when  $T$  is non-negative regular four dimensional matrix summability method. We also show that strongly  $T$ -summable sequence of closed set is  $T$ -statistically convergent and that  $T$ -statistically convergence is equivalent to strong  $T$ -summability with respect to modulus function on bounded sequence of closed sets.

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