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**Title:** Almost bounded variation of double sequences and some four dimensional summability matrices

**Author(s):** Mohammad Mursaleen and S. A. Mohiuddine

In 1937, MEARS [Ann. Math., **38** (1937), 594–601] studied absolutely regular matrices for single sequences. In this paper, we define the absolutely almost conservative and absolutely almost regular matrices for double sequences and establish the necessary and sufficient conditions to characterize them.

**Address:**

Mohammad Mursaleen  
Department of Mathematics  
Aligarh Muslim University  
Aligarh-202002  
India

**Address:**

S. A. Mohiuddine  
Department of Mathematics  
Aligarh Muslim University  
Aligarh-202002  
India