

### Multipliers for Bounded Convergent of Double Sequences

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**Abstract:** In this paper we investigate multipliers for bounded convergence of double sequences and study some properties and relations between  $\ell_\infty^2$ ,  $c^2(b)$  and  $c_0^2(b)$ .

**Keywords:** Double Sequences; Multiplier.

**2010 Mathematics Subject Classification:** 40A05, 40B05, 42A45.

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### Probabilistic interpretation of some partial differential equations

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**Abstract:** In the present talk we shall give probabilistic interpretation of some partial differential equation. The main tool used is the It formula for diffusion processes in particular solutions to some stochastic differential equations and Backward stochastic differential equation. Probabilistic representation of solutions of some higher order partial differential equation are also presented.

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### On Some Sequence Spaces of Non-Absolute Type

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**Abstract:** M.Mursaleen and A.K.Noman introduced sequence spaces  $\ell_\infty^\lambda$ ,  $c^\lambda$  and  $c_0^\lambda$  as the sets of all  $\lambda$ -bounded,  $\lambda$ -convergent and  $\lambda$ -null sequences, respectively. They also introduce these spaces are BK-spaces with the norm  $\sup_n |\Lambda_n(x)|$  and prove that these spaces are linearly isomorphic to the spaces  $\ell^\infty$ ,  $c$  and  $c_0$  [1].

In this work, we define some new sequence spaces of non-absolute type and introduce some properties of these spaces.

**Keywords:** Sequence spaces, BK-spaces, Difference Sequence Spaces.

**2010 Mathematics Subject Classification:** 45A45, 46B20.

#### References:

- [1] Mursaleen, M., Noman A.K., "On the Spaces of  $\lambda$ -Convergent and Bounded Sequences", *Thai Journal of Mathematics*, Vol. 25, pp.311-329, 2010.



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## *CERTIFICATE OF PARTICIPATION*

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On behalf of the organizing committee  
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