

## A Function on Exponential Convergence in a Fréchet Metric Space

D.K. GANGULY, BABLU BISWAS

*Department of Pure Mathematics, 35, Ballygunge Circular road, Calcutta-700019, India  
gangulydk@yahoo.co.in, bablubiswas100@yahoo.com*

Presented by Manuel Maestre

Received June 3, 2010

*Abstract:* This paper deals with some fundamental properties of a function defined on exponential convergence connecting with a monotonic increasing divergent sequence in a Fréchet metric space.

*Key words:* Borel classification of sets, first category, Baire class of sets, Lebesgue Measure and dense set.

AMS *Subject Class.* (2010): 40A05

### REFERENCES

- [1] P. KOSTYRKO, T. SALAT, On the exponent of convergence, *Rend. Circ. Mat. Palermo Ser II* **31**, (1982), 187–194.
- [2] G. POLYA, G. SZEGO “Aufgaben und Lehrsätze aus der Analysis”, Springer-Verlag, Berlin - New York, 1964.
- [3] R. SIKORSKI, “Funkcje Rzeczywiste Vol I”, PWN, Warszawa, 1958.