

## SOME NEW FUZZY TECHNIQUES

*W.B.Vasantha Kandasamy and A.Victor Devadoss*

We, in this paper introduce four new notions called Combined Disjoint Block FCM (CDBFCM) of equal size (and of varying size), Combined Overlap Block FCM (COBFCM) of same size (and of varying size), Combined Disjoint Block FRM (CDBFRM) of same and varying sizes and Combined Overlap Block FRM (COBFRM) of same and varying sizes.

This paper has three sections. Section one, we introduce the notion of combined disjoint block FCM of equal sizes as well as of unequal sizes. In section two we introduce the notion of combined overlap block FCM of equal sizes as well as varying sizes. In the final section of the chapter we introduce the new notions of Combined Disjoint Block FRM and Combined Overlap Block FRM.

---

**All Rights Reserved.** This work is Copyright © W.B.Vasantha Kandasamy and A.Victor Devadoss, 2004. Mathematicians can use the above material for research purposes, but the work of the author **\*must\*** be acknowledged. Violators of copyright, and those indulging in *plagiarism* and *intellectual theft* are liable for strict prosecution.

e-mail: [vasantha@iitm.ac.in](mailto:vasantha@iitm.ac.in)

web: <http://www.vasanthakandasamy.org>