

## **NEW APPROACHES FOR REGULAR B-OPEN SETS AND B<sup>\*</sup>-CLOSED SPACES**

**A. VADIVEL, R. VIJAYALAKSHMI AND D. KRISHNASWAMY**

### **Abstract**

We introduce the notions of regular B-open sets, B-closed spaces and B<sup>\*</sup>-closed spaces and investigate some of these properties. Also we give a characterization of B-closed spaces.

-----  
Key Words : Regular B-open, Extremely B-connected, B<sup>\*</sup>-cluster point, B<sup>\*</sup>-closure, B-closed spaces, B<sup>\*</sup>-closed spaces, strongly  $\theta$ B-continuous, rB-continuous.

2000 Mathematics Subject Classification: 54C10, 54C08, 54C05.

Ascent Publication House: [http:// www.ascent-journals.com](http://www.ascent-journals.com)