1003-34-923 **A S Vatsala*** (`vatsala@louisiana,edu`), Lafayette, LA 70504, and **V Lakshmikantham**. *Cone Valued Lyapunov Functions and Large Scale Systems.* Preliminary report.

The large scale systems, with overlapping decomposition can be expanded or contracted using the method of aggregation and decomposition to study the stability results of the entire complex system. This approach offers better results if one uses suitable cone valued Lyapunov function rather than employing the standard cone. (Received October 01, 2004)