José Juan López Espín

Title: Algoritmos de paso de mensajes para modelos de ecuaciones simultáneas

Abstract: The solution of Simultaneous Equations Models in high performance systems is analyzed. Parallel algorithms for the Ordinary Least Squares, the Indirect Least Squares and the Two-stage Least Squares methods are developed. Algorithms for distributed memory are studied theoretically and experimentally. The algorithms make an extensive use of basic libraries like BLAS, LAPACK, and ScaLAPACK to obtain efficient and portable versions.

Affiliation: Departamento de Estadística, Matemáticas e Informática, Universidad Miguel Hernández de Elche