

1035-15-1038 **Lala B. Krishna*** (lala@cs.uakron.edu), Professor, Theoretical & Applied Mathematics, The University of Akron, Akron, OH 44325-4002. *Iterative Methods for Leontief Input-output Model*. Preliminary report.

Our research describes efficient iterative methods for solving Leontief input-output problems related to regional and multiregional systems. Point and block iterative techniques are applied. We assume the associated matrix is very large and sparse. The direct method is difficult and creates storage problems and round-off errors. For these reasons the iterative methods may be more practical. The zero entries in the matrix are caused by lack of interaction between industries and/or regions. Preliminary results will be presented. (Received September 18, 2007)