MILITARU, Romulus; CĂLIN, Liviu-Adrian; CĂLUGĂRU, George-Cristian; GEORGESCU, Adrian, *EFFICIENT PROCESSING OF NUMERICAL ALGORITHMS THROUGH NUMERICAL ENGINEERING SOFTWARE*

Abstract: Numerical Engineering Software represents a new software for solving technical problems through numerical algorithms. It consists of five chapters: Matrix Algebra, Polynomial Approximations, Roots of Equations, Numerical Integration and Cauchy Problems. As of March 2000, Numerical Engineering Software has been consistently upgraded to a new more complex version. We give a survey of this new version along with the basic features that are part of the Numerical Engineering Software project.

Keywords: Matrix Algebra, Polynomial Approximations, Roots of Equations, Numerical Integration and Cauchy Problems