Quadrature methods for integral equations

Gradimir V. Milovanović

Serbian Academy of Sciences and Arts, Serbia
`gradimir.milovanovic@mac.com`

The program will be connected with the following problems:

- Iterative processes and (nonlinear) integral equations of the second kind;

- Numerical treatment of Fredholm integral equations of the second kind;

- Gauss quadrature rules for integrals involving weight functions with variable exponents;

- Software realizations;

- Applications of quadrature rules to weakly singular Volterra integral equations and to some fractional-order boundary value problems.