

**PROCEEDINGS OF THE STEKLOV INSTITUTE OF MATHEMATICS  
IN THE ACADEMY OF SCIENCES OF THE USSR**

**TABLE OF CONTENTS**

<b>ARESTOV, V. V.</b> Approximation of operators of convolution type by bounded linear operators.....	1
<b>BADKOV, V. M.</b> Approximations of functions in the uniform metric by Fourier sums of orthogonal polynomials.....	19
<b>GABUŠIN, V. I.</b> Optimal methods of computing the values of the operator $Ux$ if $x$ is given with an error. Differentiation of functions defined with an error.....	67
<b>IVANOV, V. I.</b> Some extremal properties of polynomials and inverse inequalities of approximation theory.....	85
<b>KAŠIN, B. S.</b> On certain properties of the space of trigonometric polynomials with uniform norm.....	121
<b>KONJAGIN, S. V.</b> On an inequality of V. A. Markov for polynomials in the metric $L$ .....	129
<b>STEČKIN, S. B.</b> An estimate of the remainder of the Fourier series for differentiable functions.....	139
<b>SUBBOTIN, Ju. N.</b> Extremal problems in the theory of approximation of functions on the basis of incomplete information.....	167
<b>ČERNYH, N. I.</b> Spline approximation to classes of differentiable functions in weighted spaces.....	187