

ADAPTED QUADRATIC APPROXIMATION FOR SINGULAR INTEGRALS

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Abstract. The goal of this work is to present an adapted modification to the parabolic approximation of the density function for singular integrals of Cauchy type. This approximation serves to eliminate the singularity of the integral and gives the help to obtain the numerical solution of singular integral equations with Cauchy type kernel on an oriented smooth contour.

Mathematics subject classification (2010): Primary 45D05, 45E05, 45L05; Secondary 65R20.

Keywords and phrases: Singular integral, quadratic interpolation, Hölder space, Hölder condition.

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