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On stabilization of the Poisson integral and Tikhonov-Stieltjes means: two-sided estimate.
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Summary: We establish two-sided estimates for the proximity, as $t \rightarrow \infty$, of the Poisson integral representing the solution of the Cauchy problem for the heat equation to modified Tikhonov-Stieltjes means of the initial function. Order-sharp two-sided estimates in some classes of initial functions are described.

MSC:

35A23 Inequalities applied to PDEs involving derivatives, differential and integral operators, or integrals

35K15 Initial value problems for second-order parabolic equations

Keywords:

stabilization; heat equation; Cauchy problem

Full Text: [DOI](#)

References:

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