

# Numerical approximation of the third initial-boundary-value parabolic problem

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In this paper a finite difference scheme approximating the third initial-boundary-value problem for the parabolic equation with time-dependent coefficients is derived. In a special  $W_2^{1,1/2}$  Sobolev norm, a convergence rate estimate, compatible with the smoothness of the solution of the problem, is obtained.

## References

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