

# A LINEARIZED DIFFERENCE SCHEME FOR THE KURAMOTO-TSUZUKI EQUATION

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摘要

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# A LINEARIZED DIFFERENCE SCHEME FOR THE KURAMOTO-TSUZUKI EQUATION

Z.Z. Sun

Department of Mathematics and Mechanics, Southeast University, Nanjing, China

**Abstract** In this paper, a linearized three-level difference scheme is derived for the mixed boundary value problem of Kuramoto-Tsuzuki equation, which can be solved by double-sweep method. It is proved that the scheme is uniquely solvable and second order convergent in energy norm.

**Key words**

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