

DOUBLE S-BREAKING CUBIC TURNING POINTS AND THEIR COMPUTATION

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摘要

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DOUBLE S-BREAKING CUBIC TURNING POINTS AND THEIR COMPUTATION

R.S. Ye, Z.H. Yang

Department of Mathematics, Shanghai University of Science and Technology, Shanghai, China

Abstract In the paper we are concerned with double S -breaking cubic turning points of two-parameter nonlinear problems in the presence of Z_2 -symmetry. Three extended systems are proposed to determine double S -breaking cubic turning points. We show that there exist two kinds of singular point path passing through double S -breaking cubic turning point, One is the simple quadratic turning point path, the other is the pitchfork bifurcation point path.

Key words

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