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University

**Relaxed multisplitting and relaxed  
nonstationary two-stage multisplitting  
methods**

AM-7

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In this paper, we study the convergence of relaxed multisplitting and relaxed nonstationary two-stage multisplitting methods associated with a multisplitting which is obtained from the ILU factorizations for solving a linear system whose coefficient matrix is an  $H$ -matrix. Also, parallel performance results of relaxed nonstationary two-stage multisplitting method using ILU factorizations as inner splittings on the IBM p690 supercomputer are provided to analyze theoretical results.

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**Landsberg space and differential  
equation of geodesics of dimension  
two on Matsutomo metric**

AM-8

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In this paper, we are to find the condition that a two-dimensional Finsler space with Matsumoto metric satisfying  $L(\alpha, \beta) = \alpha^2 / (\alpha - \beta)$  be a Landsberg space and the differential equations of geodesics.

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**The Parametrized Boundary of a  
Period-2 Component in the Degree-3  
Bifurcation Set**

AM-9

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The boundary of a typical period-2 component in the degree-3 bifurcation set is formulated by a parametrization of its image which is the unit circle under the multiplier map. Some properties on the geometry of the boundary are investigated including the root point, the cusp, the component center and the length as well as the area bounded by the boundary curve. An algorithm drawing the boundary curve with Mathematica codes is proposed and its implementation exhibits a good agreement with the analysis presented here.

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