


文 章 内 容

标 题:	One— parameter optimal systems for the nonllnearevolution equation
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关键词:	Lie group Of symmetry; optimal system; adjoint representation; nonlinear evolution equation
摘 要:	<p>The symmetry algebras of 1+ 1 dimensional nonlinear evolution equation arising from the motion of plane curve in affine geometry are systematically studied. It is found that the equation admits a seven— dimensional symmetry group H_1 and there are twenty—one elements in the one—parameter optimal system of the symmetry algebras. The optimality of one—parameter optimal system 01 is established by finding some algebraic invariants under the ajoint actions of the group H_1  One— parameter optimal systems for.pdf</p>

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