

Models from non-linear dynamics subject to symmetries

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Abstract

The paper deals with the problem of the nonclassical symmetries of some 2D-flow models. By extending a standard technique, we will obtain new partial differential systems for the symmetry coefficients functions. By a computational way, we will prove that all solutions of these systems correspond to classical symmetry generators only.

Keyword: Ricci flow, nonclassical symmetry approach

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