

عنوان مقاله:

One Dimensional Optimal System and Exact Solutions of the Fitness Equations

محل انتشار:

دومین کنفرانس بین المللی علوم پایه و علوم مهندسی (سال: 1399)

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خلاصه مقاله:

In this paper, by applying the Lie symmetry method we will obtain the lie symmetry group of the Fitness equation. Also the one dimensional optimal system of Lie algebra is obtained. Using the optimal system, similarity reductions of this equation will be constructed and some group invariant solutions are obtained.

کلمات کلیدی:

Lie symmetries, Lie symmetry group, Infinitesimal generators, Optimal System

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