

Lie Point Symmetries of Differential -Difference Equations

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Abstract: In this paper, the classical Lie group approach is extended to find some Lie point symmetries of differential-difference equations. It reveals that the obtained Lie point symmetries can constitute a Kac-Moody-Virasoro algebra.

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Key words: Lie point symmetry, differential-difference equation, Kac-Moody-Virasoro algebra

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