

SIDE 14.2



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Multiform Structures of Ordinary Difference Equations Satisfying Addition Formulae

Wednesday 21 Jun 2023 at 12:00 (00h30')

Content :

In aiming to find simple nonlinear Lagrangian 1-forms that exhibit all the relevant features of a multiform structure, we investigate Lagrange structures arising from addition formulae. This results in non-quadratic Lagrangians and commuting maps with discrete and continuous interpolation flows. We discuss the relationship to integrable quad equations and applications to quantum propagators.

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