

# Schlesinger autotransformations for relativistic Toda type lattices

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## **Abstract**

Schlesinger autotransformations for all equations of a known list of integrable relativistic Toda type lattices have been constructed. The standard relation between Lagrangian and Hamiltonian equations is used which has in this case the form of a non-point invertible transformation. Different examples of the same kind are discussed, namely, integrable Lagrangian equations possessing Schlesinger autotransformations.