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Supersymmetric affine Toda field equations and ODE/IM correspondence

Thursday, 8 December 2022 15:00 (20 minutes)

The linear differential system of the $\mathcal{N} = 1$ super affine Toda field equations (ATFEs) (Classical) with Lie superalgebras is studied. The modified linear equations reduce to a couple of ordinary differential equations (ODEs). The $osp(2|2)^{(2)}$ giving the Schrodinger equation with squared potential verifies the ODE/IM correspondence.

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