

Higher order Painleve system of type $D^{\{1\}}_{2n+2}$ and monodromy preserving deformation

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The higher order Painleve system of type $D^{\{1\}}_{2n+2}$ is proposed by Y. Sasano. It is an extension of the sixth Painleve equation for the affine Weyl group symmetry and expressed as a Hamiltonian system of order $2n$. We give this system as the monodromy preserving deformation of a Fuchsian differential equation.

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