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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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