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Differential Equations for Jacobi-Piñeiro Polynomials

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Abstract. For $r \in \mathbb{N}_0$, we present a Fuchsian linear differential operator of order $r + 1$ with three singular points at $0, 1, \infty$. This operator annihilates the r -multiple Jacobi-Piñeiro polynomial.

Keywords. Jacobi-Piñeiro multiple orthogonal polynomials, Fuchsian differential operators.

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