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HARDY'S INEQUALITY FOR JACOBI EXPANSIONS

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Abstract. If an analytic function $F(z) = \sum_{n=0}^{\infty} a_n z^n$ belongs to the Hardy space on the unit disc, then the sequence of coefficients satisfies $\sum_{n=0}^{\infty} |a_n|/(n+1) < \infty$, which is well-known as Hardy's inequality. This type of inequality is obtained with respect to the Jacobi expansions.

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