Title: A Gauss–Kuzmin-type theorem for θ-expansions

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A generalization of the regular continued fractions was given by S. Chakraborty and B. V. Rao in 2004. For the transformation which generates this expansion and its invariant measure, the Perron–Frobenius operator is given and studied. For this expansion, we apply the method of Szüsz from 1961 and obtain the solution of its Gauss–Kuzmin-type theorem.

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