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Price and Haar Type Functions and Uniform Distribution of Sequences

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Abstract: The Weyl criterion is shown in the terms of Price functions and Haar type functions. We define the so-called modified integrals of Price and Haar type functions and obtain the analogues of the criterion of Weyl, the inequalities of LeVeque and Erdos-Turan and the formula of Koksma in the terms of the modified integrals of Price and Haar type functions.



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