

Waring's problem with restrictions on q -digital functions

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*This paper is dedicated to Professor M. Drmota
on the occasion of his 60th anniversary*

Abstract. The present paper is devoted to generalize earlier works of Thuswaldner–Tichy, Pfeiffer–Thuswaldner and Wagner on Waring's problem with digital constraints to systems of restrictions on q -digital functions. The result follows from estimates of corresponding exponential sums.

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Mathematics Subject Classification: 11A63, 11L07, 11L15, 11P05, 11P55.

Key words and phrases: asymptotic basis, q -digital functions, exponential sums, correlation, Waring's problem.