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**On orders of approximation of functional classes in a Marcinkiewicz space.** (Russian)

[Zbl 1133.41315](#)

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Summary: We obtain estimates of orders of approximation of functional classes of S. M. Nikol'skij  $H_p^6$  and O. V. Besov  $B_{p,q}^r$  in the norm of an anisotropic Marcinkiewicz space and find an order of the orthowidth of class  $H_p^r$ .

**MSC:**

- [41A65](#) Abstract approximation theory (approximation in normed linear spaces and other abstract spaces) Cited in 1 Document
- [41A46](#) Approximation by arbitrary nonlinear expressions; widths and entropy
- [42A10](#) Trigonometric approximation

**Keywords:**

Lorentz space; periodic function; Lebesgue space; best approximation