

Wang, Tingfu; Teng, Yanmei; Bian, Shurong

On the complex locally uniform rotundity of Musielak-Orlicz sequence spaces. (English)

Zbl 0952.46011

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For complex Banach spaces, the notion of a complex extreme point was introduced by *E. Thorp* and *R. Whitley* [Proc. Am. Math. Soc. 18, 640-647 (1967; Zbl 0185.20102)], and then *J. Globevnik* [Proc. Am. Math. Soc. 47, 175-178 (1975; Zbl 0307.46015)] defined complex uniform rotundity.

In this paper, the authors introduce the notion of complex locally uniformly rotund point and give a characterization, in vector-valued Musielak-Orlicz sequence spaces, of such points.

Reviewer: [Daniel Li \(Lens\)](#)

MSC:

46B20 Geometry and structure of normed linear spaces

46E30 Spaces of measurable functions (L^p -spaces, Orlicz spaces, Köthe function spaces, Lorentz spaces, rearrangement invariant spaces, ideal spaces, etc.)

Cited in 1 Document

Keywords:

complex locally uniform rotundity; complex locally uniformly rotund point; Musielak-Orlicz sequence space; vector-valued Musielak-Orlicz sequence spaces