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On the transfinite diameter in normed fields

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Abstract - The aim of this note is to give a generalization for the notion of transfinite diameter of a set $S \subset \mathbb{C}$ and also a generalization of some results from (Fekete, Math.Z., 1923) and from (Fekete and Szegő, Math.Z., 1955).

Key words and phrases : transfinite diameter, roots of polynomials.

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