

## On nonconvex retracts in normed linear spaces

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### ABSTRACT.

Let  $E$  be a real normed linear space. A subset  $X \subset E$  is called a retract of  $E$  if there exists a continuous mapping  $r : E \rightarrow X$ , a retraction, satisfying  $r(x) = x$ ,  $x \in X$ . It is well known that every nonempty closed convex subset of  $E$  is a retract of  $E$ . Nonconvex retracts are studied in this paper.

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