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## SOME CHARACTERIZATIONS OF S-DISJOINTLY WEAKLY COMPACT OPERATORS

### Communication Info

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### Abstract

We introduce and study the class of S-disjointly weakly compact operators from a Banach lattice into a Banach space. Some interesting results about this class of operators are presented. As an application, we give some characterizations of disjointly weakly compact sets by using the uaw convergence. Some results on the classes of the bounded- $E^a$  and disjointly weakly compact operators are also obtained. As a consequence, we presents some new characterizations of the order continuity of the dual norm.

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