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***Range tripotents and order in  $JBW^*$ -triples.***

ABSTRACT. This work is concerned with the subset  $\mathcal{R}(A)$  of tripotents in a  $JBW^*$ -triple  $B$  formed by the range tripotents of the elements of a  $JB^*$ -subtriple  $A$  of  $B$ , when endowed with the partial ordering inherited from the set of all tripotents. It will be shown that, under certain conditions, the supremum of a family of range tripotents in  $\mathcal{R}(A)$  coincides with that in the complete lattice of all tripotents in  $B$ . As a consequence, a sufficient condition for a tripotent to lie in  $\mathcal{R}(A)$  will be obtained, and an analysis of the suprema of families of spectral range tripotents will lead to a generalization of a result known for open projections in  $W^*$ -algebras.