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Isidro, J.-M. [Isidro, José María[1]] (E-SACO-FT); Stachó, L. L. (H-SZEG-B)

On weakly and weakly* continuous elements in Jordan triples.

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The authors investigate weak continuity [resp. weak* continuity] of the squaring operation $x \mapsto \{xa^*x\}$ for elements a in a complex Jordan Banach algebra [resp. JB*-algebra or JBW*-algebra]. One can formalize this concept by introducing certain ideals of weakly continuous [resp. weakly* continuous] elements. In this paper these ideals are determined for various classes of JB*-algebras, for example the space of continuous mappings from a locally compact space to another JB*-algebra.

Reviewed by *Harald Upmeier*

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