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Adjoining hearts to associative systems with involution

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The heart of an associative system (algebra, pair, or triple system) is the intersection of its nonzero ideals. In 2003, it was shown that, for any associative system R over a field, there exists a one-sided primitive system \tilde{R} with nonzero simple (one-sided primitive) heart H such that R is isomorphic to a subsystem S of \tilde{R} , with $\tilde{R} = S \oplus H$.

We study the possibility of extending this result and some others of similar nature to systems with involution, and to systems over arbitrary rings of scalars, not necessarily fields. This is a joint work with José A. Anquela.