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Title: Outer generalized inverses in rings and related idempotents

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In this paper we investigate outer generalized inverses of elements in rings, and related idempotents. Among other things, if $a'aa' = a'$ and $b'bb' = b'$, we consider the relations $b'b = a'a + u$ and $bb' = aa' + v$ for a suitable choice of u and v .

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