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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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