

## WEAK RELATIVE COMPLEMENTS IN ALMOST DISTRIBUTIVE LATTICES

RAMESH SIRISETTI

*Department of Mathematics*  
*GIT, GITAM University*  
*Visakhapatnam- 530 045, India*

**e-mail:** ramesh.sirisetti@gmail.com

AND

G. JOGARAO

*Department of Mathematics*  
*AJET Bhogapuram- 531 162, India*

**e-mail:** jogarao.gunda@gmail.com

### Abstract

In this paper, the concept of relative complementation in almost distributive lattice is generalized. We obtain several properties on the sets of weak relative complement elements. We prove a sufficient condition for a weakly relatively complemented almost distributive lattice with dense elements to become a generalized stone almost distributive lattice.

**Keywords:** dense elements, relative complements, weak relative complementation, almost distributive lattice, generalized stone almost distributive lattice.

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