

## UNIQUENESS THEOREM IN COMPLETE RESIDUATED ALMOST DISTRIBUTIVE LATTICES

G.C. RAO AND S.S. RAJU

*Department of Mathematics*  
*Andhra University*  
*Visakhpatanam - 530003, A.P., India*

**e-mail:** gcrmaths@yahoo.co.in  
ssrajumaths@gmail.com

### Abstract

Important properties of primary elements in a complete residuated ADL  $L$  and the uniqueness theorem in a complete complemented residuated ADL  $L$  are proved.

**Keywords:** Almost Distributive Lattice (ADL), residuation, multiplication, residuated ADL, complete residuated ADL, primary decomposition, reduced primary decomposition and normal primary decomposition.

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