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## TWO CONSTRUCTIONS OF DE MORGAN ALGEBRAS AND DE MORGAN QUASIRINGS

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Dedicated to Klaus Denecke on the occasion of his 65th birthday

## Abstract

De Morgan quasirings are connected to De Morgan algebras in the same way as Boolean rings are connected to Boolean algebras. The aim of the paper is to establish a common axiom system for both De Morgan quasirings and De Morgan algebras and to show how an interval of a De Morgan algebra (or De Morgan quasiring) can be viewed as a De Morgan algebra (or De Morgan quasiring, respectively).

**Keywords:** De Morgan algebra, De Morgan quasiring, D-algebra, interval algebra, Boolean element.

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