

REMARK ABOUT THE BOOLEAN PARTS IN THE
 POSTULATE-SYSTEMS OF CLOSURE,
 DERIVATIVE AND PROJECTIVE
 ALGEBRAS

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1 The contents of this note are strictly connected with the results which have been proved in [7].¹ Therefore, in order to present the discussions which will be given below in a uniform and similar way to that which can be found in [7], and, moreover, in order to avoid unnecessary and repetitious explanations it is accepted throughout this paper that

(a) the formalizations of Boolean algebras, non-associative Newman algebras and the dual non-associative Newman algebras which will be used below are exactly the same, as given in the points (B), (D), and (F) respectively in [7], pp. 530, 535 and 539,

and, furthermore, that

(b) the definitions of the algebraic systems under discussion in this note will be formulated in accordance with the points (a), (b) and (c) given in [7], p. 531.

It should be noted that the formalizations accepted in point (a) of any algebras mentioned above can be substituted by an arbitrary formalization providing that it is equivalent to the former without affecting the results which will be presented below. Clearly, these two clauses cannot lead to any misunderstanding.

1.1 If a postulate-system of the given algebras which are Boolean algebras extended by the additional extra-Boolean operations and postulates contains the following postulate:

C0 the structure $\langle A, +, \times, -, 0, 1 \rangle$ is a Boolean algebra

1. An acquaintance with [7] is presupposed. Especially, in order to understand the proofs given in sections 2, 3 and 4 below a certain familiarity with the systems \mathfrak{M} and \mathfrak{N} , cf. [7], pp. 531-539, is required.