

Václav Havel

Correction to the paper: “Partitions in Cartesian systems”

Časopis pro pěstování matematiky, Vol. 91 (1966), No. 4, 477

Persistent URL: <http://dml.cz/dmlcz/117575>

Terms of use:

© Institute of Mathematics AS CR, 1966

Institute of Mathematics of the Academy of Sciences of the Czech Republic provides access to digitized documents strictly for personal use. Each copy of any part of this document must contain these *Terms of use*.



This paper has been digitized, optimized for electronic delivery and stamped with digital signature within the project *DML-CZ: The Czech Digital Mathematics Library* <http://project.dml.cz>

Summary

INDEPENDENCE OF BIRKHOFF'S POSTULATE SYSTEM FOR DISTRIBUTIVE LATTICES WITH AN UNIT ELEMENT

BOHDAN ZELINKA, Liberec

G. D. Birkhoff and G. Birkhoff have introduced a system of seven postulates for the theory of distributive lattices; an algebra with two binary operations which satisfies those postulates is a distributive lattice with an unit element. In this article the independence of those postulates is proved (this was a problem formulated by G. Birkhoff).

CORRECTION TO THE PAPER

„PARTITIONS IN CARTESIAN SYSTEMS”*)

VÁCLAV HAVEL, Brno

(Received August 22, 1966)

1. The definition of the subsystem corresponding to a generating partition (§ 2) must be corrected as follows: If $\mathcal{P} = (\mathcal{P}_{\alpha_0})_{\alpha_0}$ is a generating partition in a system \mathbf{C} then we define a subsystem $\mathbf{C}' = ((S'_{\alpha_0})_{\alpha_0}, f')$ in \mathbf{C} corresponding to \mathcal{P} as a system such that, for every α , $S'_\alpha = \bigcup_{A_\alpha \in \mathcal{P}_\alpha} A_\alpha$, that $S'_0 = \bigcup_{A_0 \in \mathcal{P}_0} A_0 \cap f(\prod_{\alpha} S'_\alpha)$ and that f' is the portion of f with the domain $\prod_{\alpha} S'_\alpha$.

2. In the formulation of Theorem 4 (§ 4), replace „in” by „on”.

*) Čas. pěst. mat. 91 (1966), 246–253.