

**Definition 10.** A one-to-one mapping of  $(\mathbf{M}_i, \phi_i, i \in A)$  onto itself is a *Menger-automorphism* if and only if for each  $i \in A$  there is a permutation  $\rho_i$  of  $1, 2, \dots, i$  such that for all  $F \in \mathbf{M}_i, G_1, \dots, G_i \in \mathbf{M}_j$  we have

$$\alpha \phi_i(F, G_1, \dots, G_i) = \phi_i(\alpha F, \alpha G_{\rho_i(1)}, \dots, \alpha G_{\rho_i(i)}).$$

*Menger-isomorphisms* are similarly defined.

**Theorem 9.** *The Menger-automorphisms of a Menger algebra form a group which is the direct product of the automorphisms and the permutomorphisms.*

Theorem 9 follows from the preceding remarks and the definition of the direct product of groups. Note that Menger-automorphisms are not anti-automorphisms! For example, Theorem 9 becomes invalid for associative systems in general if Menger-automorphisms are replaced by automorphisms and anti-automorphisms.

### References

- [1] KUROSH, A. G.: The Theory of Groups. 90—95, Vol. 1. New York: Chelsea. 1955
- [2] MENGER, K.: General algebra of analysis. Reports Math. Coll., Notre Dame, Ind. 7, 46—60 (1946).
- [3] — Axiomatic Theory of Functions and Fluents. The Axiomatic Method, 454—473. Ed. by L. Henkin et al. Amsterdam: North-Holland Pub. Co. 1959.
- [4] — Algebra of functions: Past, Present, Future. Rend. Seminar. Mat. Univ. Roma 20, 409—430 (1961).
- [5] — Function Algebra and Propositional Calculus. Self-Organizing Systems 1962. Washington: Spartan Books 1962.
- [6] — A group in the substitutive algebra of the calculus of propositions. Arch. Math. 12, 471—478 (1962).

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### Errata

to the contribution **KHYSON SWONG** in Seoul (Korea):

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P. 278. Line eight from the bottom: read

$$(3.1) \quad u(\mathbf{f}) = f \langle \mathbf{f}, d\psi_u \rangle, \quad \mathbf{f} \in \mathbf{B}(T, E)$$

instead of 
$$u(\mathbf{f}) = f \langle \mathbf{f} \rangle d\psi_u, \quad \mathbf{f} \in \mathbf{B}(T, E)$$

P. 280. The last line: read

$$(4.5) \quad |U|_{(\mathfrak{p}, \mathfrak{q})}$$

instead of 
$$|U|_{(\mathfrak{p}, \mathfrak{p})}$$

P. 286. The thirteenth line: read

$$(c) \quad U(f) = f f d\psi, \quad f \in \mathbf{C}(T)$$

instead of 
$$U(f) = f d f \psi, \quad f \in \mathbf{C}(T)$$