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Alexander A. Katz (katza@stjohns.edu), St. John's University, Dep. of Math & CS, 300 Howard Ave., DaSilva 314, Staten Island, NY 10301, Roman Kushnir\* (kushnir\_roman@yahoo.com), University of South Africa, Department of Mathematical Sciences, P.O.Box 392, Pretoria, 0003, South Africa, and Venera Sh. Mukhamedieva (mukhamedieva@farpi.uz), Ferghana Polytechnic Institute, Department of Mathematics, 86 Ferghana City, Ferghana, 712000, Uzbekistan. On decomposition of C\*-algebras over semifields into continuous fields of C\*-algebras over Stonean compacts.

In a previous paper we introduced C\*-algebras over semifields which are simultaneously Banach-Kantorovich spaces over complex regular universal semifields, and complex \*-algebras with natural axioms similar to the axioms of C\*-algebras, making those object to be a natural generalization of the category of C\*-algebras within the category of Banach modules over semifields. It has been as well established there that a continuous field of C\*-algebras over Stonean compact of the semifield canonically determines a C\*-algebra over a semifield. In the present sequel we show that each C\*-algebra over semifield can be naturally decomposed into a continuous field of C\*-algebras over the Stonean compact of the semifield. (Received July 01, 2009)