Filter, Wolfgang

Hypercompletions of Riesz spaces. (English) Zbl 0716.46009

Proc. Am. Math. Soc. 109, No. 3, 775-780 (1990).

This paper is a continuation of the paper "Hypercomplete Riesz spaces" by the same author [Atti Sem. Mat. Fis. Univ. Modena 38, 227-240 (1990; review above)]. It is shown that every Riesz space with separating order continuous order dual has a unique e-hypercompletion (with e a weak order unit in the extended order continuous order dual).

Reviewer: C.B.Huijsmans

MSC:

46A40 Ordered topological linear spaces, vector lattices
06F20 Ordered abelian groups, Riesz groups, ordered linear spaces

Keywords:

Riesz space with separating order continuous order dual; e- hypercompletion; weak order unit; extended order continuous order dual

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