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The portmanteau theorem for Dedekind complete Riesz space-valued measures. (English)

[Zbl 1076.28004](#)

Takahashi, Wataru (ed.) et al., Nonlinear analysis and convex analysis. Proceedings of the 3rd international conference (NACA2003), Tokyo, Japan, August 25–29, 2003. Yokohama: Yokohama Publishers (ISBN 4-946552-15-4/hbk). 149-158 (2004).

The Portmanteau theorem gives several equivalent conditions for weak convergence of a net of positive real-valued Borel measures. The author generalizes this theorem for measures with values in Dedekind complete Riesz spaces.

For the entire collection see [\[Zbl 1063.00012\]](#).

Reviewer: [Hans Weber \(Udine\)](#)

MSC:

- [28A33](#) Spaces of measures, convergence of measures
- [28B15](#) Set functions, measures and integrals with values in ordered spaces
- [46G10](#) Vector-valued measures and integration

Cited in **1** Document

Keywords:

[measures](#); [portmanteau theorem](#); [weak order convergence](#); [Dedekind complete Riesz spaces](#)