


Noncommutative frames revisited

Karin Cvetko-Vah 

*Department of Mathematics, Faculty of Mathematics and Physics,
University of Ljubljana, Jadranska 21, SI-1000 Ljubljana, Slovenia*

Jens Hemelaer * 

*Department of Mathematics, University of Antwerp,
Middelheimlaan 1, B-2020 Antwerp, Belgium*

Jonathan Leech

Department of Mathematics, Westmont College, Santa Barbara, CA 93108, USA

Received 10 January 2020, accepted 22 June 2020, published online 12 November 2020

Abstract

In this note we revisit noncommutative frames. Special attention is devoted to the study of join completeness and related properties in skew lattices.

Keywords: Noncommutative frame, skew lattice, completeness, lattice section.

Math. Subj. Class.: 06D75, 06D22

*Corresponding author. Jens Hemelaer was supported in part by a PhD fellowship of the Research Foundation (Flanders) and in part by the University of Antwerp (BOF).

E-mail addresses: karin.cvetko@fmf.uni-lj.si (Karin Cvetko-Vah), jens.hemelaer@uantwerpen.be (Jens Hemelaer), leech@westmont.edu (Jonathan Leech)

Ponovno o nekomutativnih okvirih

Karin Cvetko-Vah 

*Department of Mathematics, Faculty of Mathematics and Physics,
University of Ljubljana, Jadranska 21, SI-1000 Ljubljana, Slovenia*

Jens Hemelaer * 

*Department of Mathematics, University of Antwerp,
Middelheimlaan 1, B-2020 Antwerp, Belgium*

Jonathan Leech

Department of Mathematics, Westmont College, Santa Barbara, CA 93108, USA

Prejeto 10. januarja 2020, sprejeto 22. junija 2020, objavljeno na spletu 12. novembra 2020

Povzetek

V članku se vračamo k nekomutativnim okvirom. Posebna pozornost je namenjena obravnavi pojma polnosti navzgor in sorodnim lastnostim v poševnih mrežah.

Ključne besede: Nekomutativni okvir, poševna mreža, polnost, mrežni presek.

Math. Subj. Class.: 06D75, 06D22

*Kontaktni avtor. Jens Hemelaer je delno podprt z doktorsko štipendijo s strani Research Foundation (Flanders), delno pa s strani Univerze v Antwerpnu (BOF).

E-poštni naslovi: karin.cvetko@fmf.uni-lj.si (Karin Cvetko-Vah), jens.hemelaer@uantwerpen.be (Jens Hemelaer), leech@westmont.edu (Jonathan Leech)