Kinyon, Michael

Ken Kunen: algebraist. (English) Zbl 1236.20065


The author describes some work in algebra, particularly in quasigroups and loop theory, by Ken Kunen. He describes especially the use of automated deduction tools, with a lot of attention given to projects done in collaboration with him. According to the author Ken’s approach to algebra utilized automated deduction tools and finite model builders. The finite model builder Ken used during the period the author discusses was SEM [see J. Zhang; H. Zhang, SEM: a system for enumerating models, Proc. of International Joint Conference on Artificial Intelligence (IJCAI-95), Montréal, August, 11-18 (1995)].

Reviewer: C. Pereira da Silva (Curitiba)

MSC:
20N05 Loops, quasigroups
01A70 Biographies, obituaries, personalia, bibliographies
68T15 Theorem proving (deduction, resolution, etc.) (MSC2010)
03C60 Model-theoretic algebra
20-03 History of group theory

Keywords:
automated reasoning; finite loops; quasigroups; Moufang loops; conjugacy closed loops

Software:
Prover9; Mace4; OTTER

Full Text: DOI arXiv

References:
[19] McCune, W., \texttt{\textsc{prover9}} and \texttt{\textsc{mace4}}, version LADR-2009-11A
[22] Soikis, L.R., The special loops, (), 122-131, (in Russian)

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