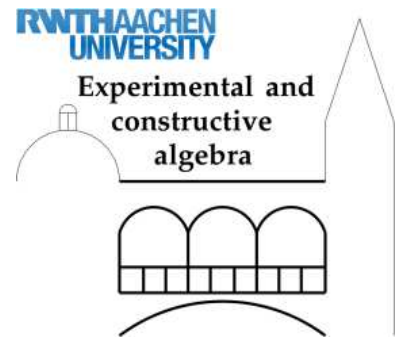# Experimentelle und konstruktive Algebra

Vortrag

Mitwoch, 21. September 2016, 16:00 Uhr, SeMath

Volodymyr Bavula (University of Sheffield, UK):
Classical left regular left quotient ring of a ring and its semisimplicity criteria

Let R be a ring, C and L be the set of regular and left regular elements of R ($C \subseteq L$). Goldie's Theorem is a semisimplicity criterion for the classical left quotient ring $Q_{l,cl}(R) := C^{-1}R$. Semisimplicity criteria are given for the classical left regular left quotient ring $'Q_{l,cl}(R) := L^{-1}R$. As a corollary, two new semisimplicity criteria for $Q_{l,cl}(R)$ are obtained (in the spirit of Goldie).

Wir laden alle Interessierten herzlich ein.