

Oberseminar

Quivers and representations of algebras

WS 16-17

Termin: Mo. 15:30 – 17:00 (Raum 48-438)

Beginn: 24.10.16

24.10.16	E. Giannelli	Quivers and path algebras
31.10.16	P. Luka	Background on algebras and modules
07.11.16	J. Brough	Back to quivers and path algebras
14.11.16	U. Faltings	Bounded path algebras
21.11.16	R. Hollenbach	The quiver of a finite-dimensional algebra
28.11.16	N. Farrell	Representations of (bounded) quivers
05.12.16	B. Sambale	Projective resolutions
12.12.16	-	-
19.12.16	M. Kurtz	Extensions of KQ-modules, modules for hereditary algebras
09.01.17	M. Cavallin	Gabriel's Theorem (statement, examples, preliminaries)
16.01.17	C. Lassueur	Proof of Gabriel's Theorem
23.01.17	A. Paolini	Representations of V_4 and A_4
30.01.17	C. Lampe	Auslander-Reiten Theory
06.02.17	M. Boos	Using quiver representations to prove finiteness criteria

LITERATUR

- [1] ASSEM, IBRAHIM AND SIMSON, DANIEL AND SKOWROŃSKI, ANDRZEJ, *Elements of the representation theory of associative algebras. Vol. 1*, London Mathematical Society Student Texts, 65, Cambridge University Press, Cambridge, (2006).
- [2] BENSON, D. J., *Representations and cohomology. I*, Cambridge Studies in Advanced Mathematics, Cambridge University Press, Cambridge, (1998).
- [3] SCHIFFLER, RALF, *Quiver representations*, CMS Books in Mathematics/Ouvrages de Mathématiques de la SMC, Springer, Cham, New York, (2014).

Interessierte Hörer sowie weitere Vortragende sind herzlich willkommen!