Oberseminar

The Alperin weight conjecture

SS 14

Termin: **Mo. 15:30 − 17:00 (Raum 48-438)**   Beginn: 28. 4. 2014

28.4.14	Michael Livesey:	**Block induction, Brauer correspondence, formulation of AWC, weights for abelian Sylows** ([1, 11])
5.5.14	Jay Taylor:	**AWC for groups with a BN-pair** ([6, §6.3,§6.4],[3, §6.9],[4])
12.5.14	Ulrike Faltings:	**Other formulations of AWC, other chains** ([9])
19.5.14	Lucas Ruhstorfer:	**Weights for symmetric groups** ([2, §1,§2])
26.5.14	Susanne Danz:	**AWC for symmetric groups** ([2, §2], ev. [7])
2.6.14	Pablo Luka:	**Weights for $\mathbf{GL}_n(q)$** ([2, §3])
16.6.14	Elisabeth Schulte:	**AWC for $\mathbf{GL}_n(q)$** ([2, §4])
30.6.14	Marc Cabanes:	**The Dade–Glauberman–Nagao correspondence** ([10, §5.12])
7.7.14	Caroline Lassueur:	**Classification of endo-permutation modules** ([8])
14.7.14	Attila Maróti:	**Reduction of AWC and p-solvable groups** ([12, 4])
21.7.14	NN:	tba (??)

LITERATUR

[1] J. ALPERIN, Weights for finite groups. *The Arcata Conference on Representations of Finite Groups* (Arcata, Calif., 1986), 369–379, Amer. Math. Soc., Providence, RI, 1987.

[2] J. ALPERIN, P. FONG, Weights for symmetric and general linear groups. J. Algebra **131** (1990), 2–22.

[3] D. BENSON, *Representations and cohomology. II. Cohomology of groups and modules.* Cambridge University Press, Cambridge, 1998.

[4] M. CABANES, Two remarks on the reduction of Alperin's weight conjecture. Bull. Lond. Math. Soc. **45** (2013), 895–906.

[5] M. CABANES, Local/Global methods and quasi-simple groups. Manuscript, 2014.

[6] M. CABANES, M. ENGUEHARD, *Representation theory of finite reductive groups.* Cambridge University Press, Cambridge, 2004.

[7] J. COSSEY, A bijection for the Alperin weight conjecture in S_n. Algebr. Represent. Theory **14** (2011), 391–402.

[8] E. DADE, Endo-permutation modules over p-groups. I,II. Ann. of Math. **107** (1978), 459–494; **108** (1978), 317–346.

[9] R. KNÖRR, G. ROBINSON, Some remarks on a conjecture of Alperin. J. London Math. Soc. **39** (1989), 48–60.

[10] H. NAGAO, Y. TSUSHIMA, *Representations of finite groups.* Academic Press, Inc., Boston, MA, 1989.

[11] G. NAVARRO, *Characters and blocks of finite groups.* Cambridge University Press, Cambridge, 1998.

[12] G. NAVARRO, P. TIEP, A reduction theorem for the Alperin weight conjecture. Invent. Math. **184** (2011), 529–565.

Interessierte Hörer sowie weitere Vortragende sind herzlich willkommen!