

Oberseminar

Complex Reflection Groups

WS 2015/16

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

Beginn: 02. 11. 2015

02.11.15	Caroline Lassueur:	Einführung
09.11.15	Christoph Lampe:	Irreducible complex reflection groups ([3, 1.1-1.2 & 1.5-1.7])
16.11.15	Elisabeth Schulte:	The groups $G(m, p, n)$ ([3, 2.1-2.7])
23.11.15	Ulrike Faltings:	Polynomial invariants, I ([3, 2.8, 3.1-3.3])
30.11.15	Ruwen Hollenbach:	Polynomial invariants, II ([3, 3.3-3.6])
7.12.15	Pablo Luka:	Characterisations of reflection groups ([3, Chap. 4])
14.12.15	Eugenio Giannelli:	The Steinberg Theorem and parabolic subgroups ([1, 4.2.3-4.2.4], or/and [3, Chap. 9])
17.12.15	Thomas Gobet:	The Shephard and Todd classification, I ([3, Chap. 8])
21.12.15	Thomas Gobet:	The Shephard and Todd classification, II ([3, Chap. 8])
11.1.16	Alessandro Paolini:	Regular elements, I ([4, §3.-4.])
18.1.16	A.P. & P.P.:	Regular elements, II ([4, §4.-5.])
25.1.16	Philipp Perepelitsky:	Regular elements, III ([4, §5.-8.])
1.2.16	Thomas Gobet:	Braid groups and Garside structures
8.2.16	Jean Michel (Paris):	The $K(\Pi, 1)$ property for complex braid groups and the dual braid monoid

LITERATUR

- [1] M. BROUÉ, *Introduction to complex reflection groups and their braid groups*. Lecture Notes in Mathematics, 1988. Springer-Verlag, Berlin, 2010.
- [2] M. GECK AND G. MALLE, Reflection groups. Pp. 337–383 in: *Handbook of algebra, Vol. 4*. Elsevier/North-Holland, Amsterdam, 2006.
- [3] G. I. LEHRER AND D. E. TAYLOR, *Unitary reflection groups*. Australian Mathematical Society Lecture Series, 20. Cambridge University Press, Cambridge, 2009.
- [4] T. A. SPRINGER, Regular elements of finite reflection groups, *Inventiones math.* **25** (1974), 159–198.

Interessierte Hörer sowie weitere Vortragende sind herzlich willkommen!