

Oberseminar

Fusion systems

SS 23

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

Beginn: 24. April 2023

24.4.22	Gunter Malle:	Introduction and motivation ([Li, §1], [Cr, §1])
8.5.22	Marco Kevin Albert:	Saturated fusion systems ([Li, §2], [Cr, §4.1])
22.5.22	Marie Roth:	Normalisers and centralisers ([Li, §3], [Cr, §4.2])
31.5.22	Annika Bartelt:	Centric and radical subgroups ([Li, §4], [Cr, §4.5])
5.6.22	Caroline Lassueur:	Alperin's fusion theorem ([Li, §5], [Cr, §4.6])
12.6.22	Bernhard Böhmler:	Quotients and normal fusion systems ([Li, §6,§7],[Cr, §5.3–5.5])
19.6.22	Gunter Malle:	Simple fusion systems ([Li, §8],[Cr, §5.6])
26.6.22	Marie Roth:	Block fusion systems ([Cr, §9.3,9.4])
3.7.22	Gunter Malle:	Fusion systems on infinite p-groups ([BLO])
10.7.22	Valentina Grazian:	Fusion Systems: What is Known
17.7.22	NN:	?? (??)

LITERATUR

- [AKO] M. ASCHBACHER, R. KESSAR, B. OLIVER, *Fusion Systems in Algebra and Topology*. London Mathematical Society Lecture Note Series 391. Cambridge University Press, Cambridge, 2011.
- [BLO] C. BROTO, R. LEVI, B. OLIVER, Discrete models for the p -local homotopy theory of compact Lie groups and p -compact groups. *Geom. Topol.* **11** (2007), 315–427.
- [Cr] D. CRAVEN, *The Theory of Fusion Systems. An Algebraic Approach*. Cambridge Studies in Advanced Mathematics, 131. Cambridge University Press, Cambridge, 2011.
- [Li] M. LINCKELMANN, Introduction to fusion systems. *Group Representation Theory*, 79–113, EPFL Press, Lausanne, 2007.

Interessierte Hörer sowie weitere Vortragende sind herzlich willkommen!