

REFERENCES ON SERIES OF LIE GROUPS

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This is a list of published papers on series of Lie groups. It is intended to be complete but no doubt there are omissions.

There are unpublished omissions. The principal ones are the papers by Pierre Vogel. These are available on his home page as zipped postscript files. The url is

<http://www.institut.math.jussieu.fr/vogel/>

Prpublications / Preprints Algebraic structure on modules of diagrams, Preprint (1997) (gzipped postscript, 128k).

Vassiliev theory, Preprint, (Ecole d't Grenoble 1999) (gzipped postscript, 85 K).

The universal Lie algebra, Preprint, (Ecole d't Grenoble 1999) (gzipped postscript, 62 K).

Invariants de type fini, Preprint, (Clermont-Ferrand 1999) (gzipped postscript, 71 K).

Vassiliev theory and the universal Lie algebra, Preprint, (Aarhus 2000) (gzipped postscript, 170 K).

The other work that is relevant is Preg Cvitanovic work. This was mostly done in the 1970's but unpublished. Some of this work appears in the web book:

<http://chaosbook.org/GroupTheory/>

REFERENCES

- [CdM99] Arjeh M. Cohen and Ronald de Man. On a tensor category for the exceptional Lie groups. In *Computational methods for representations of groups and algebras (Essen, 1997)*, volume 173 of *Progr. Math.*, pages 121–137. Birkhäuser, Basel, 1999.
- [Coh96] Arjeh M. Cohen. Some indications that the exceptional groups form a series. *CWI Quarterly*, 9(1-2):51–59, 1996. SMC 50 jubilee (Amsterdam, 1996).
- [DdM96] Pierre Deligne and Ronald de Man. La série exceptionnelle de groupes de Lie. II. *C. R. Acad. Sci. Paris Sér. I Math.*, 323(6):577–582, 1996.
- [Del96] Pierre Deligne. La série exceptionnelle de groupes de Lie. *C. R. Acad. Sci. Paris Sér. I Math.*, 322(4):321–326, 1996.
- [DG02] Pierre Deligne and Benedict H. Gross. On the exceptional series, and its descendants. *C. R. Math. Acad. Sci. Paris*, 335(11):877–881, 2002.
- [DPT03] Patrick Dorey, Andrew Pocklington, and Roberto Tateo. Integrable aspects of the scaling q-state potts models i: bound states and bootstrap closure. *Nuclear Physics B*, 661:425, 2003.

Date: August 2007.

- [LM01] J. M. Landsberg and L. Manivel. The projective geometry of Freudenthal's magic square. *J. Algebra*, 239(2):477–512, 2001.
- [LM02] J. M. Landsberg and L. Manivel. Triality, exceptional Lie algebras and Deligne dimension formulas. *Adv. Math.*, 171(1):59–85, 2002.
- [LM04] J. M. Landsberg and L. Manivel. Series of Lie groups. *Michigan Math. J.*, 52(2):453–479, 2004.
- [LM06a] J. M. Landsberg and L. Manivel. The sextonions and $E_{7\frac{1}{2}}$. *Adv. Math.*, 201(1):143–179, 2006.
- [LM06b] J. M. Landsberg and L. Manivel. A universal dimension formula for complex simple Lie algebras. *Adv. Math.*, 201(2):379–407, 2006.
- [LMW04] J. M. Landsberg, Laurent Manivel, and Bruce W. Westbury. Series of nilpotent orbits. *Experiment. Math.*, 13(1):13–29, 2004.
- [Mac02] N. J. MacKay. Rational k -matrices and representations of twisted yangians. *J.PHYS.A*, 35:7865, 2002.
- [MT06] N. J. MacKay and A. Taylor. Rational R -matrices, centralizer algebras and tensor identities for e_6 and e_7 exceptional families of lie algebras, 2006.
- [Tui07] Michael P. Tuite. The virasoro algebra and some exceptional lie and finite groups. *SIGMA*, 3:008, 2007.
- [TW05] Imre Tuba and Hans Wenzl. On braided tensor categories of type BCD . *J. Reine Angew. Math.*, 581:31–69, 2005.
- [Wes03a] B. W. Westbury. Corrigendum: “ R -matrices and the magic square” *J. Phys. A*, 36(11):2857, 2003.
- [Wes03b] Bruce Westbury. Invariant tensors and diagrams. In *Proceedings of the Tenth Oporto Meeting on Geometry, Topology and Physics (2001)*, volume 18, pages 49–82, 2003.
- [Wes06a] Bruce W. Westbury. Sextonions and the magic square. *J. London Math. Soc. (2)*, 73(2):455–474, 2006.
- [Wes06b] Bruce W. Westbury. Universal characters from the Macdonald identities. *Adv. Math.*, 202(1):50–63, 2006.

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