

**Alcune pubblicazioni**  
**Stefano Capparelli**

1. *On some representations of twisted affine Lie algebras and combinatorial identities.* Journal of Algebra, vol. 154, (2) 1993, 335-355.
2. *A combinatorial proof of a partition identity related to level three modules for an affine Lie algebra.* Communications in Algebra, 1995, vol. 23, 2959-2969.
3. *A construction of the level 3 modules for the affine Lie algebra  $A_2^{(2)}$  and a new combinatorial identity of the Rogers-Ramanujan type.* Transaction of the American Mathematical Society, vol. 348, no. 2, 1996, 481-501.
4. *Lie algebra representations, partition identities and  $q$ -trinomial coefficients.* Rendiconti del Seminario Matematico dell'Università e del Politecnico di Torino, vol 53, 3 (1995), 231-243.
5. *Calcolo della funzione di partizione di Kostant per algebre di rango 2,* Bollettino dell'Unione Matematica Italiana, sez. B, Vol. 6, (2003) 89-110.
6. *Representations of level 5 for a twisted affine Lie algebra and combinatorial identities.* Functional Analysis VII, Dubrovnik, 2001. Various Publications Series No. 46, University of Aarhus (DK).
7. *On some theorems of Hirschhorn.* Communications in Algebra, Vol. 32, No. 2, pp. 629-635, 2004.
8. *Teoria Elementare delle Algebre di Lie,* Quaderno di Dottorato, Me.Mo.Mat., 2002 (Vedi [http://www.dmmm.uniroma1.it/pubblicazioni/doc/phd\\_quaderni/02-2-cap.pdf](http://www.dmmm.uniroma1.it/pubblicazioni/doc/phd_quaderni/02-2-cap.pdf) )
9. *Algebre di Vertice, moonshine, identità di Rogers-Ramanujan: una breve panoramica,* Quaderno del Dipartimento, 2003, n.1, <http://www.dmmm.uniroma1.it/pubblicazioni/doc/quaderni/03-1-cap.pdf>
10. In collaborazione con J. Lepowsky e A. Milas: *The Rogers-Ramanujan recursion and intertwining operators.* Communications in Contemporary Mathematics, Vol. 5, No. 6, December 2003, 947-966. <http://ejournals.wspc.com.sg/ccm/ccm.shtml> (Vedi anche <http://xxx.sissa.it/pdf/math.QA/0211265> )
11. In collaborazione con J. Lepowsky e A. Milas: *The Rogers-Selberg recursions, the Gordon- Andrews identities and intertwining operators,* The Ramanujan Journal, 12 (2006), no. 3, 379--397. (V. anche <http://xxx.sissa.it/pdf/math.QA/0310080> ) ([http://grove.ufl.edu/cgi-bin/cgiwrap/~fgarvan/ram\\_csh.cgi](http://grove.ufl.edu/cgi-bin/cgiwrap/~fgarvan/ram_csh.cgi) )
12. In collaborazione con Buratti, Marco e Del Fra, Alberto, *Cyclic Hamiltonian cycle systems of the  $\lambda$ -fold complete and cocktail party graphs.* European J. Combin. 31 (2010), no. 5, 1484–1496.

13. In collaborazione con Del Fra, Alberto; Hamiltonian paths in the complete graph with edge-lengths 1, 2, 3. *Electron. J. Combin.* 17 (2010), no. 1, Research Paper 44, 13 pp.
14. In collaborazione con Del Fra, Alberto e Sciò, Carlo; On the span of polynomials with integer coefficients. *Math. Comp.* 79 (2010), no. 270, 967–981.
15. In Collaborazione con Maroscia Paolo: On a class of polynomials related to the singular values of Jordan blocks, accepted
16. In collaborazione con Maroscia Paolo: Alcuni problemi di matematica discreta, accepted.
17. In collaborazione con Maroscia Paolo: On some special subsequences of certain integer sequences, in preparation