

1. Record Nr.	UNINA9910818805703321
Autore	Welsh Trevor A (Trevor Alan), <1963->
Titolo	Fermionic expressions for minimal model Virasoro characters / / Trevor A. Welsh
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2005] ©2005
ISBN	1-4704-0428-1
Descrizione fisica	1 online resource (176 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 827
Classificazione	31.30
Disciplina	510 s 511/.62
Soggetti	Combinatorial enumeration problems Lie algebras
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 175, number 827 (third of 4 numbers)."
Nota di bibliografia	Includes bibliographical references (pages 159-160).
Nota di contenuto	<p>""Contents""; ""1. Prologue""; ""1.1. Introduction""; ""1.2. Structure of this paper""; ""1.3. Continued fractions""; ""1.4. Fermionic character expressions""; ""1.5. The Takahashi and string lengths""; ""1.6. Takahashi trees""; ""1.7. Takahashi tree vectors""; ""1.8. Truncated Takahashi tree""; ""1.9. The linear term""; ""1.10. The constant term""; ""1.11. The quadratic term""; ""1.12. The mn-system and the parity vector""; ""1.13. The extra term""; ""1.14. Finitized fermionic expressions""; ""1.15. Fermionic-like expressions""; ""2. Path combinatorics""; ""2.1. Outline of proof""</p> <p>""2.2. The band structure""""2.3. Weighting function""; ""2.4. Winged generating functions""; ""2.5. Striking sequence of a path""; ""2.6. Path parameters""; ""2.7. Scoring generating functions""; ""2.8. A seed""; ""2.9. Partitions""; ""3. The B-transform""; ""3.1. Path-dilation: the B[sub (1)]-transform""; ""3.2. Particle insertion: the B[sub (2)]-transform""; ""3.3. Particle moves""; ""3.4. The B[sub (3)]-transform""; ""3.5. Particle content of a path""; ""4. The D-transform""; ""4.1. The pure D-transform""; ""4.2. The BD-pair""; ""5. Mazy runs""; ""5.1. The passing sequence""</p> <p>""5.2. The passing function""""5.3. Transforming the passing function""; ""5.4. Mazy runs in the original weighting""; ""6. Extending and</p>

truncating paths"; ""6.1. Extending paths"; ""6.2. Truncating paths";
""7. Generating the fermionic expressions"; ""7.1. Runs and the core
result"; ""7.2. Induction parameters"; ""7.3. The induction"; ""7.4.
Transferring to the original weighting"; ""7.5. The other direction";
""7.6. The mn-system"; ""8. Collating the runs"; ""8.1. Pulling the
drawstrings"; ""8.2. Constraints of the Takahashi tree"; ""8.3.
Gathering in the Takahashi tree""
