1. Record Nr.   UNINA9910788749003321

   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   ""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""
                       ""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""
                       ""5.2. The passing function""""5.3. Transforming the passing function""; ""5.4. Mazy runs in the original weighting""; ""6. Extending and