

Toshiyuki Abe

orbifold models

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a proof of the \$C\_2\$-cofiniteness of a \$\Z\_2\$-orbifold model \$V\_L^+\$ of the lattice vertex operator algebra \$V\_L\$ associated with a rank one positive definite even lattice \$L\$ by using our result and the \$C\_2\$-cofiniteness of \$V\_L\$.
Comments: 25 pages, no figure, some typo are corrected

(Submitted on 14 Jul 2011 (v1), last revised 15 Sep 2011 (this version, v3))

\$C\_2\$-cofiniteness of 2-cyclic permutation

In this article, we consider permutation orbifold models of \$C\_2\$-cofinite vertex operator algebras of

CFT type. We show the  $C_2$ -cofiniteness of the 2-cyclic permutation orbifold model  $(V \otimes V)^{S_2}$  for an arbitrary  $C_2$ -cofinite simple vertex operator algebra V of CFT type. We also give

Subjects:Quantum Algebra (math.QA)MSC classes:17869Cite as:arXiv:1107.2709 [math.QA]<br/>(or arXiv:1107.2709v3 [math.QA] for this version)

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