
Vertex Operator Algebras In Mathematics And Physics

introduction to vertex operator algebras - mathizona - introduction to vertex operator algebras prof. christoph a. keller eth zuric h hs 2017 under construction (version as of 13.12.17) contents 1 formal power series 2 **vertex operator algebras, number theory and related topics ...** - on indecomposable and logarithmic modules for affine vertex operator algebras admissible affine vertex operator algebras $v_k(g)$ are semi-simple in the category \mathcal{O} . in this talk, we shall first present a complete reducibility result for a large class of simple affine vertex operator algebras $v_k(g)$ **introduction to vertex operator algebras ii - arxiv** - of vertex operator algebras. from the mathematical point of view, a vertex operator algebra formally resembles a lie algebra because the jacobi identity is used as one of the main axioms. for the lie algebra aspect of vertex operator algebras, the notion of contragredient module [fhl] **on vertex operator algebras, their representations, and ...** - construction of vertex algebras, as it is merely sufficient to find a local system of vertex operators. a major development in the representation theory of vertex operator algebras was the construction of a functor l , found originally in [z], from the category of vertex operator algebras to the category of associative algebras with unit. **vertex operator algebras, the verlinde conjecture and ...** - vertex operator algebras, the verlinde conjecture and modular tensor categories yi-zhi huang abstract let v be a simple vertex operator algebra satisfying the following conditions: (i) $v(n) = 0$ for n