

Conformal operads and the basic vertex algebra cohomology complex

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Abstract. We develop the notion of a (pro-) conformal pseudo operad and apply it to the construction of the basic cohomology complex of a vertex algebra. The paper heavily uses the ideas and constructions of the work of Tamarkin [Tam02].

Keywords and phrases: pro-conformal pseudo operad, basic cohomology of a vertex algebra, pseudo tensor category

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