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Prasad Senesi* (jsegesi@uottawa.ca), Prasad Senesi, Dept. Of Mathematics and Statistics, 585 King Edward Ave, Ottawa, Ontario K1N6N5, Canada. *Blocks of Loop Algebra Representations*.

We first review the block decomposition of the category of finite-dimensional modules of the loop algebra $L(\mathfrak{g})$ of a finite-dimensional simple complex Lie algebra \mathfrak{g} , as given by Chari and Moura (Journal of Algebra V.279, 2004). We then use these blocks to describe the decomposition of the corresponding category for the twisted loop algebra $L^\sigma(\mathfrak{g})$ (when such a non-trivial algebra exists).

Next we review the decomposition of the category of integrable modules of $L(\mathfrak{g}) \oplus \mathbb{C}d$, as given by Chari and Greenstein (Trans. Am. Math. Soc. 2007), and discuss the extension of this decomposition to the integrable modules of $L^\sigma(\mathfrak{g}) \oplus \mathbb{C}d$. (Received February 15, 2008)