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Nilpotent Lie Algebras of Maximal Rank and of Kac-Moody Type $D_4^{(3)}$

Let $\mathfrak{g}$ be the Kac-Moody algebra associated with the twisted affine Cartan matrix $D_4^{(3)}$. Each nilpotent Lie algebra of maximal rank and of type $D_4^{(3)}$ is isomorphic to a quotient of the positive part of $\mathfrak{g}$. We determine the isomorphism classes of nilpotent Lie algebras of maximal rank and of type $D_4^{(3)}$.