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Robert H McRae* (rhmcr@math.rutgers.edu), Robert McRae, Department of Mathematics, Rutgers University, Hill Center, Busch Campus, Piscataway, NJ 08854. *Vertex algebraic structure in integral forms of standard affine Lie algebra modules.*

Integral forms of the universal enveloping algebras of affine Lie algebras have been constructed by Garland and others, allowing the construction of integral forms in standard modules for affine Lie algebras. We show that these integral forms have the structure of vertex algebras over \mathbb{Z} , and we give generating sets for this vertex algebraic structure. (Received August 20, 2013)