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Realizations of the Elliptic Affine Lie Algebra $\mathfrak{sl}(2, R) \oplus (\Omega_R/dR)$. Preliminary report.

This is based on a joint work in progress with B. Cox and V. Futorny. In this talk we describe a construction of boson type realizations of the elliptic affine Lie algebra $\mathfrak{sl}(2, R) \oplus \Omega_R/dR$, where $R = \mathbb{C}[t, t^{-1}, u \mid u^2 = t^3 - 2bt^2 + t]$. (Received February 14, 2008)