ON THE ALGEBRA $\mathbf{U}(\mathfrak{gl}_n[t])$

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ABSTRACT. We introduce the quantum deformation, denoted by $\mathbf{U}(\mathfrak{gl}_n[t])$, of the enveloping algebra $\mathcal{U}(\mathfrak{gl}_n[t])$. We shall investigate the structure and representations of $\mathbf{U}(\mathfrak{gl}_n[t])$.

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