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Mathematics > Rings and Algebras

## Graded Skew Clifford Algebras that are Twists of Graded Clifford Algebras

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We prove that if \$A\$ is a regular graded skew Clifford algebra and is a twist of a regular graded Clifford algebra \$B\$ by an automorphism, then the subalgebra of \$A\$ generated by a certain normalizing sequence of homogeneous degree-two elements is a twist of a polynomial ring by an automorphism, and is a skew polynomial ring. We also present an example that demonstrates that this can fail when \$A\$ is not a twist of \$B\$.

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