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**Susan Sierra, Spela Spenko, Michaela Vancliff and Padmini Veerapen\***,  
pveerapen@tntech.edu, and **Emilie Wiesner**. *On Noncommutative Algebraic Geometry and the  
Lie superalgebra  $\mathfrak{sl}(1|1)$* .

This is joint work with Sierra, Spenko, Vancliff, and Wiesner which began at the Women in Noncommutative Algebra and Representation Theory (WINART) workshop at BIRS. Le Bruyn and Smith show how noncommutative algebraic geometry, in the spirit of Artin, Tate, and Van den Bergh, can be applied to the Lie algebra,  $\mathfrak{sl}(2, \mathbb{C})$  and Le Bruyn and Van den Bergh generalize these results to any  $n$ -dimensional Lie Algebra. We discuss here how these results can be extended to the Lie superalgebra  $\mathfrak{sl}(1|1)$ .

## References

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- [LS] L. LE BRUYN AND S.P. SMITH, Homogenized  $sl(2)$ , *Proc. Amer. Math. Soc.* **118(3)** (1993), 725-730.
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