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Slava Krushkal* (krushkal@virginia.edu), University of Virginia, Department of Mathematics, Charlottesville, VA 22904-4137. *The Jacobi identity and the A-B slice problem.*

This talk will show that the relations in the graded Lie algebra associated to the lower central series of a link group play an important role in the A-B slice problem. This work is motivated by the 4-dimensional topological surgery conjecture. (Received September 14, 2009)