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Lena Folwaczny* (lfolwa2@uic.edu). *Finite-Type Invariants of Classical and Virtual Knots*. Preliminary report.

This talk introduces finite type invariants (Vassiliev invariants) for knots and explores their connection with other knot invariants and their Lie Algebraic structure. Many examples of finite type invariants for classical knots do not extend to virtual knots. We will talk about the progress in the area of virtual finite type invariants. (Received February 14, 2012)