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Nicolas Petit* (nicolas.petit.gr@dartmouth.edu), Dartmouth College, Dept of Mathematics, Hanover, NH 03755. *Vassiliev invariants of order one for framed virtual knots.*

A. Henrich discovered three Vassiliev invariants of order one for virtual knots, including a universal invariant, taking values in the free abelian group generated by homotopy classes of virtual strings with a singular point. In this talk we extend the construction of all three invariants to framed virtual knots; this will bring us to develop the notion of a framed virtual string and its associated based matrix. (Received August 09, 2015)