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Claude Levesque* (c1@mat.ulaval.ca), Dept. of mathematics and statistics, U. Laval, Quebec, Quebec G1K 7P4, Canada. *On a family of quintic Thue equations*. Preliminary report.

In a joint work with Maurice Mignotte, we solve a parametric family of Thue equations. This is done via Baker's linear forms in logarithms and by using Omar Kihel's fundamental system of units for the (non Galois) quintic fields naturally associated to the Thue equations. (Received August 10, 2006)