1041-11-138   **Hugh C Williams*** (`williams@math.ucalgary.ca`), Dept. of Mathematics and Statistics, University of Calgary, 2500 University Dr. NW, Calgary, Alberta T2N 1N4, Canada. *Some Improved Algorithms for Performing Arithmetic in Quadratic Fields.*

Since the early seventies several advances have been made in computing certain invariants in quadratic number fields. In this talk I will describe some recent improvements that have been made to these algorithms. (Received August 08, 2008)