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Thomas C Palfrey* (tpalfrey@uno.edu), Department of Mathematics, University of New Orleans, New Orleans, LA 70148. *Fundamental Units of Norm One in Real Quadratic Number Fields*. Preliminary report.

We investigate some properties of fundamental units of norm one in real quadratic number fields that have them. In these number fields a multiple of the fundamental unit is a square and the coefficients of the square root of the square are related to the coefficients of the original fundamental unit. (Received September 14, 2006)