

1014-Z1-502

Azar N. Khosravani* (akhosravani@colum.edu), Science and Mathematics Department, Columbia College Chicago, 600 South Michigan Ave, Chicago, IL 60605 1996, and **Mark B. Beintema**. *Binary Quadratic Forms: A Historical View*. Preliminary report.

We present an expository account of the development of the theory of binary quadratic forms. Beginning with the formulation of the Two-Square Theorem, we show how the study of the forms of the type $x^2 + ny^2$ led to the discovery of the Quadratic Reciprocity Law, and how this theorem, along with the concept of reduction relates to the representation problem. (Received September 19, 2005)