

1095-11-106

Andrew G. Earnest*, Department of Mathematics, Southern Illinois University, Carbondale, IL 62901, **Ji Young Kim**, Department of Mathematical Sciences, Seoul National University, Seoul, 151-742, South Korea, and **Nicolas D. Meyer**, Department of Mathematics, Southern Illinois University, Carbondale, IL 62901. *Lattice Representations with Primitivity Conditions.*

We will discuss a local-global theorem for the representation of quadratic lattices with primitivity conditions imposed at a finite set of primes, and illustrate its use to prove that certain quaternary lattices are strictly regular, in the sense that they globally primitively represent all integers that they primitively represent everywhere locally. (Received September 03, 2013)