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**Robert B. Osburn\*** ([osburn@math.lsu.edu](mailto:osburn@math.lsu.edu)), Robert Osburn, 3450 Nicholson Dr. Apt. 2015,  
Baton Rouge, LA 70802. *Densities of 4-ranks of  $K_2$  of rings of integers.*

The 4-rank of the tame kernel  $K_2(\mathcal{O})$  for certain quadratic number fields was characterized by Conner and Hurrelbrink in terms of positive definite binary quadratic forms. Numerical calculations led to questions concerning possible density results of the 4-rank of tame kernels. The main results in this talk are affirmative answers to these questions. (Received September 30, 2000)