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Marius Somodi* (somodi@uni.edu), Department of Mathematics, Wright Hall, University of Northern Iowa, Cedar Falls, IA 50614. *Wild sets in the Gaussian field.*

With respect to a Hilbert symbol equivalence between two number fields, certain prime ideals have a distinctive property and are called wild primes. The set of all the wild primes of a Hilbert symbol equivalence is called the wild set of the Hilbert symbol equivalence. In this talk we describe the finite wild sets of the Gaussian field. (Received February 12, 2006)