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ramified ones. The natural question is now the following :

Is it possible to characterize the way a prime $p \in \mathbb{Z}$ *decomposes in* O *in terms of simple properties of the groups* $(O/p^n)^\times$, $p \mid p$, *when* $K / \mathbb{Q}$ *is not necessarily abelian ?*

It seems this is always possible if $K/\mathbb{Q}$ is Galois using the results in [1] . If $K/\mathbb{Q}$ is not Galois the situation is somewhat different.

BIBLIOGRAPHY

1. *C. AYOUB, On the group of units of certain rings (to appear).*
2. *R. W. GILMER, Finite rings having a cyclic group of units,* Amer. J. Math., 85 (1963), 447-452.
3. *L. J. GOLDSTEIN, Analytic number theory,* Prentice-Hall, Inc., Englewoods Cliffs, 1971.
4. *D. HILBERT, Gesammelte Abhandlungen, Band I,* Springer-Verlag, Berlin, 1970.
5. *I. M. VINOGRÁDOV , Fundamentos de la teoría de los números,* Mir, Moscú , 1970.

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