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**Ramification of local fields with imperfect residue fields. II.** (English) Zbl 1127.11349  
Doc. Math. Extra Vol., Kazuya Kato's Fiftieth Birthday, 5-72 (2003).

Summary: In Part I [cf. the authors, Am. J. Math. 124, No. 5, 879–920 (2002; Zbl 1084.11064)], a filtration by ramification groups and its logarithmic version are defined on the absolute Galois group of a complete discrete valuation field without assuming that the residue field is perfect. In this paper, we study the graded pieces of these filtrations and show that they are abelian except possibly in the absolutely unramified and non-logarithmic case.

**MSC:**

[11S15](#) Ramification and extension theory  
[14G22](#) Rigid analytic geometry

Cited in **4** Reviews  
Cited in **19** Documents

**Keywords:**

local fields; wild ramification; log structure; affinoid variety

**Full Text:** [EMIS](#) [EuDML](#) [arXiv](#)