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Distribution of Artin-Schreier extensions

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The article at hand contains exact asymptotic formulas for the distribution of conductors of elementary abelian p -extensions of global function fields of characteristic p . As a consequence for the distribution of discriminants, this leads to an exact asymptotic formula for simple cyclic extensions and an interesting lower bound for noncyclic elementary abelian extensions.

Subjects: **Number Theory (math.NT)**

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