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Counting number fields and predicting asymptotics

A guiding question in number theory, specifically in arithmetic statistics, is: Fix a degree n and a Galois group G in S_n. How does the count of number fields of degree n whose normal closure has Galois group G grow as their discriminants tend to infinity? In this talk, we will discuss the history of this question and take a closer look at the story in the case that $n = 4$, i.e. the counts of quartic fields.