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and **Erin Strosnider**. *Degree 14 2-adic fields*.

Fix a prime number  $p$  and a positive integer  $n$ . A foundational result in algebraic number theory states that there are only finitely many nonisomorphic extensions of the  $p$ -adic numbers of degree  $n$ . Researchers have focused on developing methods for computing data about these extensions, such as Galois groups and ramification information. In this talk — which is joint work with undergraduates from the speaker's institution and a graduate student — we illustrate several of the tools we have employed to compute Galois groups of degree 14 extensions of the 2-adic numbers. (Received September 22, 2014)