

1067-11-111

**Kevin J. McGown\*** ([kmcgown@math.ucsd.edu](mailto:kmcgown@math.ucsd.edu)), Department of Mathematics, Oregon State University, 368 Kidder Hall, Corvallis, OR 97331. *Norm-Euclidean Galois cubic fields.*

Assuming the Generalized Riemann Hypothesis, I have given a complete determination of all norm-Euclidean Galois cubic fields. The proof uses a combination of algebraic, analytic, and computational techniques. I will also discuss what can be proven unconditionally. (Received July 23, 2010)