

Philadelphia Area Number Theory Seminar

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Infinite Families of Monogenic Trinomials

Abstract: A monic irreducible polynomial $f(x) \in \mathbb{Z}[x]$ is said to be monogenic if $\mathcal{O}_K = \mathbb{Z}[\alpha]$ for $f(\alpha) = 0$ and $K = \mathbb{Q}(\alpha)$. One strategy to guarantee