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Title:	Characterization of primes dividing the index of a trinomial
Authors:	Jakhar, A. (/jspui/browse?type=author&value=Jakhar%2C+A.) Khanduja, S.K. (/jspui/browse?type=author&value=Khanduja%2C+S.K.) Sangwan, N. (/jspui/browse?type=author&value=Sangwan%2C+N.)
Keywords:	Rings of algebraic integers index of an algebraic integer power basis.
Issue Date:	2017
Publisher:	World Scientific
Citation:	International Journal of Number Theory, 13 (10)
Abstract:	Let AK denote the ring of algebraic integers of an algebraic number field $K=Q(\theta)$, where θ is a root of an irreducible trinomial $F(x)=x^n+ax^m+b$ belonging to $Z[x]$. In this paper, we give necessary and sufficient conditions involving only a, b, m, n for a given prime p to divide the index of the subgroup $Z[\theta]$ in AK . In particular, we deduce necessary and sufficient conditions for AK to be equal to $Z[\theta]$
URI:	https://www.worldscientific.com/doi/pdf/10.1142/S1793042117501391 (https://www.worldscientific.com/doi/pdf/10.1142/S1793042117501391) http://hdl.handle.net/123456789/1778 (http://hdl.handle.net/123456789/1778)
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