

Services to the mathematical community

Reviews

A. International Journal of Number Theory (IJNT), World Scientific, Singapore

[1] **IJNT-D-10-00195**, L Houssain El Fadil,
Explicit factorization of prime integers and p -integral bases of quintic number fields defined by $X^5 + aX^2 + b$ (Preprint 2011),
(AMS MSC 11R21, 11R29, 11R04, 11Y40)

B. Asian-European Journal of Mathematics, World Scientific, Singapore

[1] **AEJM**, Abdelmalek Azizi, Abdelkader Zekhnini, and Mohammed Taous,
On the strongly ambiguous classes of $k|\mathbb{Q}(i)$ where $k = \mathbb{Q}(\sqrt{2p_1p_2}, i)$ (Preprint 2013),
(AMS MSC 11R37, 11R27, 11R29, 11R11, 11R16, 11R20)

C. Journal of Algebra and its Applications, World Scientific, Singapore

[1] **JAA**, Abdelmalek Azizi, Abdelkader Zekhnini, and Mohammed Taous,
Coclass of $\text{Gal}(k_2^{(2)}|k)$ for some fields $k = \mathbb{Q}(\sqrt{p_1p_2q}, \sqrt{-1})$ with 2-class groups of type $(2, 2, 2)$ (Preprint 2014),
(AMS MSC 11R37, 11R32, 11R29, 11R11, 11R16)

D. British Journal of Mathematics and Computer Science (BJMCS), Science-domain International, Hooghly, India

[1] **Ms-BJMCS-31510**, Ramamonjy Andriamifidisoa,
Multicyclic codes and algebraic dynamical systems (Preprint 2017),
(AMS MSC 11T71, 13F25, 16D25, 16S34, 20C05)

E. Acta Arithmetica, Poznan, Poland

[1] **170216**, Antonio Lei,
Estimating class numbers over metabelian extensions (Preprint 2017),
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[2] **170411**, Enver Ozdemir and Ergun Yaraneri,
Class numbers of real quadratic fields I (Preprint 2017),
(AMS MSC 11E16, 11R29, 11R11, 11Y05)

F. Mathematical Reviews (MR), Ann Arbor, Michigan, USA

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- [2] No. 1336248, **96c:11128**, Stéphane Louboutin,
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- [3] No. 1621956, **2000a:11154**, Blair K. Spearman and Kenneth S. Williams,
An explicit integral basis for a pure cubic field,
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- [4] No. 1728334, **2000m:11105**, Şaban Alaca,
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- [5] No. 1914584, **2003e:11120**, Moulay Chrif Ismaïli et Rachid El Mesaoudi,
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 Acta Acad. Paed. Agriensis, Sectio Mathematicae **29** (2002), 61–66,
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- [23] No. 2770104, **2012c:11233**, Elisavet Konstantinou and Aristides Kontogeorgis, *Some remarks on the construction of class polynomials*, Adv. Math. Commun. **5** (2011), no. 1, 109–118, (AMS MSC 11R29, 11T71, 94A60)

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 (AMS MSC 11R29, 11R20, 19A22, 20C10)
- [27] No. 2981398, **Jun 2013**, 177–178, Amandine Leriche,
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 J. Number Theory **133** (2013), no. 1, 59–71,
 (AMS MSC 11R16, 11R20, 11R04)
- [28] No. 3059109, **Dec 2013**, p. 144, Alejandro Aguilar-Zavoznik and Mario Pineda-Ruelas,
Units of pure quartic fields of the form $\mathbb{Q}(\sqrt[4]{p})$ with a rational prime $p \equiv 7 \pmod{16}$,
 Far East J. Math. Sci. **71** (2012), no. 2, 329–348,
 (AMS MSC 11R27, 11R11, 11R16)
- [29] No. 3105943, **May 2014**, 131–133, Jordi Guàrdia, Jesús Montes, and Enric Nart,
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- [31] No. 3198753, **2014**, Francisco Diaz y Diaz and Eduardo Friedman,
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 (AMS MSC 11R27, 11R42, 11R80, 11Y40)
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Subexponential class group and unit group computation in large degree number fields,
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 (AMS MSC 54C40, 14E20, 46E25, 20C20)
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- [35] No. 3404031, **2016**, Andrew Wiles,
On class groups of imaginary quadratic fields,
 J. London Math. Soc. (2) **92** (2015), 411–426,
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- [36] No. 3557585, **2017**, Abdelmalek Azizi, Abdelkader Zekhnini, Mohammed Taous,
On the strongly ambiguous classes of some biquadratic number fields,
 Math. Bohemica **141** (2016), no. 3, 363–384,
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- [37] No. 3596397, **2017**, Aissa Derhem, Mohamed Talbi, Mohammed Talbi,
On some metabelian 3-groups and applications I,
 Gulf J. Math. **4** (2016), no. 4, 171–181,
 (AMS MSC 11R37, 11R20, 11R29, 20D15)
- [38] No. 3604560, **2017**, Raimundo Bastos and Pavel Shumyatsky,
A sufficient condition for the nilpotency of the commutator subgroup,
 Sibir. J. Math. **57** (2016), no. 5, 978–980,
 (AMS MSC 20D15, 20D25, 20F10, 20F16, 20F18)

Courses

A. Karl-Franzens-University, Graz

1. *Elliptic and Automorphic Functions*, fall term 1983/84.
2. *Functional Analysis and Spectral Theory*, spring term 1984.
3. *Linear Algebra 1*, fall term 1984/85.
4. *Linear Algebra 2*, spring term 1985.
5. *Algebraic Number Theory*, fall term 1985/86.
6. *Linear Algebra*, spring term 1986.
7. *Analysis 1 (Differential Calculus)*, fall term 1986/87, in 2 groups.
8. *Analysis 2 (Integral Calculus)*, spring term 1987.
9. *Linear Algebra*, fall term 1987/88, in 2 groups.
10. *Analytic Geometry*, spring term 1988.
11. *Higher Algebra*, fall term 1988/89.
12. *Arithmetically Equivalent Number Fields*, spring term 1989.
13. *Modular Functions and Complex Multiplication*, fall term 1989/90.
14. *Voronoi's 1- and 2-Dimensional Unit Algorithms*, spring term 1990.

B. University of Manitoba, Winnipeg

1. *Galois Cohomology and Class Field Theory*, fall term 1990/91.
2. *Selected Topics on Dihedral Field Extensions*, spring term 1991.