



Universiteit  
Leiden  
The Netherlands

## On the computation of norm residue symbols

Bouw, J.

### Citation

Bouw, J. (2021, May 19). *On the computation of norm residue symbols*. Retrieved from <https://hdl.handle.net/1887/3176464>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3176464>

**Note:** To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <https://hdl.handle.net/1887/3176464> holds various files of this Leiden University dissertation.

**Author:** Bouw, J.

**Title:** On the computation of norm residue symbols

**Issue Date:** 2021-05-19

## Bibliography

- [1] Arora, S. and Barak, B., *Computational Complexity*. Cambridge University Press, New York, 2009.
- [2] Artin, E., *Algebraic numbers and algebraic functions*. AMS Chelsea Publishing, Providence, 2005.
- [3] Bernstein, D.J., *Fast multiplication and its applications*. Cambridge University Press, Cambridge, 2008.
- [4] Boer, K. de, *Computing the power residue symbol*. Master thesis, Radboud University, Nijmegen, 2016, available at [www.ru.nl/math/01060430/algebra-topology/](http://www.ru.nl/math/01060430/algebra-topology/).
- [5] Cassels, J.W.S. and Fröhlich, A., *Algebraic number theory*. Thompson Book Company Inc., Washington D.C., 1967.
- [6] Daberkow, M., *On computations in Kummer extensions*. Journal of Symbolic Computation, 31, 113–131, 2001.
- [7] Fesenko I. B., Vostokov S. V., *Local fields and their extensions*. 2nd extended ed., Chapter 7, Amer. Math. Soc., 2002.
- [8] Gathen, J. von zur and Gerhard, J., *Modern Computer Algebra*. Cambridge University Press, Cambridge, 2003.
- [9] Hasse, H., *Zahlentheorie*. Akademie-Verlag, Berlin, 1963.
- [10] Hensel, K., *Die multiplikative Darstellung der algebraischen Zahlen für den Bereich eines beliebigen Primteilers*. Journal für Mathematik, Bd. 146. Heft 4, 1913.
- [11] Ireland, K. and Rosen, M., *A classical introduction to modern number theory*. Springer-Verlag, New York, 1990.
- [12] Koblitz, N., *A course in number theory and cryptography*. Springer-Verlag, New York, 1994.
- [13] Lang, S., *Algebraic Number Theory, second edition*. Springer-Verlag, New York, 1970.
- [14] Milne, J.S., *Class Field Theory (v4.02)*. 2013, available at [www.jmilne.org/math/](http://www.jmilne.org/math/).
- [15] Milnor, J.W., *Introduction to algebraic K-theory*. Princeton University Press, Princeton, 1971.
- [16] Neukirch, J., *Algebraic number theory*. Springer-Verlag, Berlin, 1992.
- [17] Neukirch, J., *Class field theory*. Berlin, Springer-Verlag, 1985.
- [18] Neukirch, J., *Klassenkörpertheorie*. Hochschulskripten 713/713a\*, Bibliographisches Institut, Mannheim, 1969.
- [19] Pagano, C. and Boer, K. de, *Calculating the power residue symbol and ibeta*. Proceedings of the International Symposium on Symbolic and Algebraic Computations, 117 - 124, 2017.
- [20] Poonen, Bjorn, *Rational Points on Varieties*. Graduate studies in Mathematics 186, AMS, Providence Rhode Island, 2017.
- [21] Robert, A., *A course in p-adic analysis*. Springer-Verlag, New York, 2000.
- [22] Serre, J-P., *Local fields*. Springer-Verlag, New York-Berlin, 1979.
- [23] Shallit, J. and Bach, E., *Algorithmic number theory*. Volume 1. MIT Press, Cambridge Massachusetts, 1997.
- [24] Weiss, E., *Algebraic number theory*. McGraw-Hill Book Company, New York, 1963.