

# Number Theory Algorithms

Ervin Gegprifti

gegprifti.ervin@gmail.com

## Abstract

This paper is the documentation for the Tonelli-Shanks Algorithm module in [Number Theory Algorithms](#) mobile application.

## Tonelli-Shanks Algorithm

The implementation of this algorithm is based on [\[1\]](#).

## References

- [1] Brown, Ezra. "Square roots from 1; 24, 51, 10 to Dan Shanks." *The College Mathematics Journal* 30.2 (1999): 82. <http://www.math.vt.edu/people/brown/doc/sqrts.pdf>