

## Unknown Title

benibela :

---

# benibela/ bigdecimalmath



Pascal library for arbitrary precision BCD floating point numbers



1

Contributor



0

Issues



27

Stars



15

Forks



---

## Big Decimal Math



This unit provides an arbitrary precision BCD float number type. The usecase is performing a few arithmetic operations with the maximal possible accuracy and precision, e.g. calculating the sum of numbers from a text files, where the conversion from decimal input to binary floats would take more time than the calculation.

It can be used like any numeric type and supports:

- At least numbers between  $10^{-2147483647}$  to  $10^{2147483647}$  with 2147483647 decimal digit precision
- All standard arithmetic and comparison operators
- Rounding functions (floor, ceil, to-even, ..)
- Some more advanced operations, e.g. power and sqrt
- Accurate and precise binary float (single/double/extended) to BCD float and string conversion
- ..

See my webpage for the detailed [bigdecimalmath documentation](#)