NAME

Math::BigInt::FastCalc - Math::BigInt::Calc with some XS for more speed

SYNOPSIS

```
# to use it with Math::BigInt
use Math::BigInt lib => 'FastCalc';


# to use it with Math::BigFloat
use Math::BigFloat lib => 'FastCalc';


# to use it with Math::BigRat
use Math::BigRat lib => 'FastCalc';
```

DESCRIPTION

Math::BigInt::FastCalc inherits from Math::BigInt::Calc.

Provides support for big integer calculations. Not intended to be used by other modules. Other modules which sport the same functions can also be used to support Math::BigInt, like *Math::BigInt::GMP* or *Math::BigInt::Pari*.

In order to allow for multiple big integer libraries, Math::BigInt was rewritten to use library modules for core math routines. Any module which follows the same API as this can be used instead by using the following:

```
use Math::BigInt lib => 'libname';
```

'libname' is either the long name ('Math::BigInt::Pari'), or only the short version like 'Pari'. To use this library:

```
use Math::BigInt lib => 'FastCalc';
```

STORAGE

Math::BigInt::FastCalc works exactly like Math::BigInt::Calc. Numbers are stored in decimal form chopped into parts.

METHODS

The following functions are now implemented in FastCalc.xs:

```
_is_odd  _is_even _is_one  _is_zero
_is_two  _is_ten
_zero  _one  _two  _ten
_acmp  _len
_inc  _dec
__strip_zeros _copy
```

BUGS

Please report any bugs or feature requests to `bug-math-bigint-fastcalc` at `rt.cpan.org`, or through the web interface at *https://rt.cpan.org/Ticket/Create.html?Queue=Math-BigInt-FastCalc* (requires login). We will be notified, and then you'll automatically be notified of progress on your bug as I make changes.

SUPPORT

You can find documentation for this module with the perldoc command.

```
perldoc Math::BigInt::FastCalc
```

You can also look for information at:

* RT: CPAN's request tracker

    https://rt.cpan.org/Public/Dist/Display.html?Name=Math-BigInt-FastCalc

* AnnoCPAN: Annotated CPAN documentation

    http://annocpan.org/dist/Math-BigInt-FastCalc

* CPAN Ratings

    http://cpanratings.perl.org/dist/Math-BigInt-FastCalc

* Search CPAN

    http://search.cpan.org/dist/Math-BigInt-FastCalc/

* CPAN Testers Matrix

    http://matrix.cpantesters.org/?dist=Math-BigInt-FastCalc

* The Bignum mailing list

    * Post to mailing list

        ```
        bignum at lists.scsys.co.uk
        ```

    * View mailing list

        http://lists.scsys.co.uk/pipermail/bignum/

    * Subscribe/Unsubscribe

        http://lists.scsys.co.uk/cgi-bin/mailman/listinfo/bignum

LICENSE

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AUTHORS

Original math code by Mark Biggar, rewritten by Tels *http://bloodgate.com/* in late 2000. Separated from BigInt and shaped API with the help of John Peacock.

Fixed, sped-up and enhanced by Tels http://bloodgate.com 2001-2003. Further streamlining (api_version 1 etc.) by Tels 2004-2007.

Bug-fixing by Peter John Acklam <pjacklam@online.no> 2010-2016.

SEE ALSO

Math::BigInt::Lib for a description of the API.

Alternative libraries *Math::BigInt::Calc*, *Math::BigInt::GMP*, and *Math::BigInt::Pari*.

Some of the modules that use these libraries *Math::BigInt*, *Math::BigFloat*, and *Math::BigRat*.