



Rocky Enterprise Linux 9.2 Manual Pages on command 'Algorithm::Diff::XS.3pm'

C:\>man Algorithm::Diff::XS.3pm

Algorithm::Diff::XS(3pm) User Contributed Perl Documentation Algorithm::Diff::XS(3pm)

NAME

Algorithm::Diff::XS - Algorithm::Diff with XS core loop

SYNOPSIS

```
# Drop-in replacement to Algorithm::Diff, but "compact_diff"
# and C<LCSidx> will run much faster for large data sets.
use Algorithm::Diff::XS qw( compact_diff LCSidx );
```

DESCRIPTION

This module is a simple re-packaging of Joe Schaefer's excellent but not very well-known Algorithm::LCS with a drop-in interface that simply re-uses the installed version of the Algorithm::Diff module.

Note that only the "LCSidx" function is optimized in XS at the moment, which means only "compact_diff" will get significantly faster for large data sets, while "diff" and "sdiff" will run in identical speed as "Algorithm::Diff".

BENCHMARK

	Rate	Algorithm::Diff	Algorithm::Diff::XS
Algorithm::Diff	14.7/s	--	-98%

The benchmarking script is as below:

```
my @data = ([qw/a b d/ x 50], [qw/b a d c/ x 50]);
cmpthese( 500, {
  'Algorithm::Diff' => sub {
    Algorithm::Diff::compact_diff(@data)
  },
  'Algorithm::Diff::XS' => sub {
    Algorithm::Diff::XS::compact_diff(@data)
  },
});
```

SEE ALSO

Algorithm::Diff, Algorithm::LCS.

AUTHORS

Audrey Tang <cpan@audreyt.org>

COPYRIGHT

Copyright 2008 by Audrey Tang <cpan@audreyt.org>.

Contains derived code copyrighted 2003 by Joe Schaefer, <joe+cpan@sunstarsys.com>.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself.