

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%  
Algorithm::Diff::XS 806/s 5402% --
```

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.