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

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