



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

C:\>man Algorithm::DiffOld.3pm

Algorithm::DiffOld(3pm) User Contributed Perl Documentation Algorithm::DiffOld(3pm)

NAME

Algorithm::DiffOld - Compute `intelligent' differences between two files / lists
but use the old (<=0.59) interface.

NOTE

This has been provided as part of the Algorithm::Diff package by Ned Konz. This particular module is ONLY for people who HAVE to have the old interface, which uses a comparison function rather than a key generating function.

Because each of the lines in one array have to be compared with each of the lines in the other array, this does M*N comparisons. This can be very slow. I clocked it at taking 18 times as long as the stock version of Algorithm::Diff for a 4000-line file. It will get worse quadratically as array sizes increase.

SYNOPSIS

```
use Algorithm::DiffOld qw(diff LCS traverse_sequences);
```

```
@lcs = LCS( \@seq1, \@seq2, $comparison_function );
```

```
$lcsref = LCS( \@seq1, \@seq2, $comparison_function );
```

```
@diffs = diff( \@seq1, \@seq2, $comparison_function );
```

```
traverse_sequences( \@seq1, \@seq2,  
    { MATCH => $callback,  
      DISCARD_A => $callback,  
      DISCARD_B => $callback,  
    },  
    $comparison_function );
```

COMPARISON FUNCTIONS

Each of the main routines should be passed a comparison function. If you aren't passing one in, use `Algorithm::Diff` instead.

These functions should return a true value when two items should compare as equal.

For instance,

```
@lcs = LCS( \@seq1, \@seq2, sub { my ($a, $b) = @_; $a eq $b } );
```

but if that is all you're doing with your comparison function, just use `Algorithm::Diff` and let it do this (this is its default).

Or:

```
sub someFunkyComparisonFunction  
{  
    my ($a, $b) = @_;  
    $a =~ m{$b};  
}
```

```
@diffs = diff( \@lines, \@patterns, \&someFunkyComparisonFunction );
```

which would allow you to diff an array @lines which consists of text lines with an array @patterns which consists of regular expressions.

This is actually the reason I wrote this version -- there is no way to do this with a key generation function as in the stock Algorithm::Diff.

perl v5.26.2

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