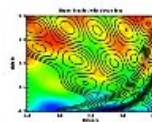




$$x_1 = x_0 - \frac{y_0}{f'(x_0)}$$



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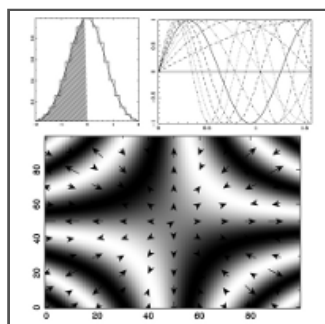
Development

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PDL turns Perl into a free, array-oriented, numerical language similar to (but, we believe, better than) such commercial packages as IDL and MatLab. One can write simple perl expressions to manipulate entire numerical arrays all at once. Simple interactive shells, `pd12` and `perlidl`, are provided for use from the command line along with the `PDL` module for use in Perl scripts.

Perl Data Language

Scientific computing with Perl



PDL ("Perl Data Language") gives standard Perl the ability to *compactly* store and *speedily* manipulate the large N-dimensional data arrays which are the bread and butter of scientific computing.

Recent News

2018-10-24 SciPDL, a drag-and-drop PDL installer for MacOS 10.9+, is now [available for PDL 2.019](#).

2018-05-06 Announcing the release of [PDL 2.019](#) to [CPAN](#). This release marks the move of PDL software to unified GitHub repositories and support. Thanks to Ed J for volunteering to support PDL on GitHub and to make the move possible!

2017-05-21 Announcing the release of [PDL 2.018](#) to [CPAN](#).

2017-02-25 Announcing the second release of [OpenGL::Modern](#) to [CPAN](#).

2016-10-22 A new version of [SciPDL](#), an [easy drag-and-drop install for Mac OS X users](#) is available. SciPDL now comes with its own pre-packaged Perl, making it independent of OS X version.

2016-10-08 [OpenGL 0.70](#) has been released to [CPAN](#). Please report any issues to the [Perl OpenGL Mailing Lists](#).

2016-10-08 [PDL 2.017](#) has been released to [CPAN](#). As always, use the [PDL Mailing Lists](#) for questions and problems. Look for a SciPDL-2.017 soon!

2016-05-28 [ExtUtils::F77 version 1.20](#) has been released to [CPAN](#).

2015-06-15 [PDL::FFTW](#) is now fully deprecated and is

replaced by a POD-only stub
[PDL::FFTW 2.024](#)

2015-06-08

[PDL::LinearAlgebra 0.12](#) has
been released to [CPAN](#).

2015-06-08 [PDL::IO::HDF5 0.73](#)
has been released to [CPAN](#).

2014-12-24 [Statistics::NiceR](#) and
[Data::Frame](#) have been been
[released](#) to CPAN providing
powerful tools to work with R
from perl

2014-08-04 [Gimp-Perl v2.31](#) has
[been released](#) to CPAN

2014-01-21 [DKOGAN/PDL-
FFTW3-0.02.2_01.tar.gz](#) has
been released to CPAN with
improved support for unaligned
data. Feedback is welcome,
especially for the case of
threaded computations of float
data.