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Chapter 1: Introduction 1. 1 Introduction. The GNU Scientific Library (GSL) is a collection of routines for numerical computing. The routines have been written from scratch in C, and present a modern Applications Programming Interface (API) for C programmers, allowing wrappers to be written for very high level languages.

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GNU Scientific Library – Reference Manual: The Gaussian

Among available optimization toolboxes, the Matlab Optimization Toolbox [4], the Open Optimization library, OPT++, IPOPT [5], SciPy [6] and the GSL (Gnu Scientific Library) [7] all provides ...

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The library provides efficient routines for selecting random samples from probability distributions. This can be useful for generating simulations based real data. ... Data Type: gsl_histogram_pdf size_t n This is the number of bins used to approximate the probability distribution function.

GNU Scientific Library -- Reference Manual - Histograms

The GNU Scientific Library (GSL) is a numerical library for C and C++ programmers. It is free software under the GNU General Public License. The library provides a wide range of mathematical routines such as random number generators, special functions and least-squares fitting. There are over 1000 functions in total with an

extensive test suite.

GNU Scientific Library - Official Site

GNU Scientific Library. Introduction. Routines available in GSL; GSL is Free Software; Obtaining GSL; No Warranty

GNU Scientific Library - GSL 2.5 documentation

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GNU Scientific Library Reference Manual - A versão open

Random Number Distributions. ... There is no explicit solution for the form of $p(x)$ and the library does not define a corresponding pdf function. For $\alpha = 2$ the distribution reduces to a Gaussian distribution with $\sigma = \sqrt{2} c$ and the skewness parameter has no effect.

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