Odeint v0.1 <class Stepper>Odeint 31.03.2012 - dense:bool author: Alexander Fischer - nok:int - nbar:int - nvar:int - MAXSTP:const int = 50000 <class Stepper>Output - nstp:int - EPS:double - kmax:int - x1, x2, hmin:double - nvar:int - x, h:double - nsave:int - y, dydx:Array<double,1> - dense:bool - &ystart:Array<double,1> - count:int - out:Output<Stepper> - x1, x2, xout, dxout:double Stepper - &derivs:typename Stepper::Dtype - xsave:Array<double,1> - s:Stepper - ysave:Array<double,2> + Output() + Output(const int nsavee) + init(const int neqn, const double xlo, const double xhi):void + resize():void + save\_dense(Stepper &s, const double + Odeint(Array<double,1> &ystartt, const xout, const double h):void double xx1, const double xx2, const double + save(const double x, Array<double,1> atol, const double rtol, const double h1, &y):void const double hminn, Output<Stepper> &outt, + out(const int nstp, const double x, typename Stepper::Dtype &derivss) Array<double,1> &y, Stepper &s, const double h):void StepperBase - x:double - xold:double - &y, &dydx:Array<double,1> - atol, rtol:double - dense:bool - hdid:double Packages used - hnext:double - EPS:double cmath - n, neqn:int - yout, yerr:Array<double,1> Cpp standard library + StepperBase(Array<double,1> &yy, Array<double,1> &dydxx, double &xx, const double atoll, const double rtoll, bool dens) blitz/array.h Blitz package

Version 0.9 LGPL v3

http://sourceforge.net/projects/blitz/