

[Help](#)

```

#ifndef _INTEGRAL_H
#define _INTEGRAL_H
#include "optype.h"
#define FACTOR 1.6
#define NTRY 50
#define JMAX 40
#define EPS 1.0-6
#define FJMAX 14
#define JMAXP (FJMAX+1)
#define KK 5

double *vector(long nl,long nh);
void free_vector(double *v,long nl,long nh);
void polint(double xa[],double ya[],int n,
    double x,double *y,double *dy);
double midpnt(double (*func)(double), double a,
    double b, int n);
double midpntbis(double (*func)(double), double
    a, double b, int n);
double midsq1(double (*func2)(double), double aa,
    double bb, int n);
double midsq1bis(double (*func2)(double), double
    aa, double bb, int n);
double midinf(double (*func1)(double), double aa,
    double bb, int n);
double midinfbis(double (*func1)(double), double
    aa, double bb, int n);
double qromo(double(*func)(double),double a,
    double b,double(*choose)(double*)(double),double,
    double,int));
void polint(double xa[],double ya[],int n,
    double x,double *y,double *dy);
#endif

```

References