

NAME

j0, j1, jn, y0, y1, yn — bessel functions

SYNOPSIS

```
#include <math.h>
double j0 (x)
double x;
double j1 (x)
double x;
double jn (n, x)
double x;
double y0 (x)
double x;
double y1 (x)
double x;
double yn (n, x)
int n;
double x;
```

DESCRIPTION

These functions calculate Bessel functions of the first and second kinds for real arguments and integer orders.

DIAGNOSTICS

Negative arguments cause *y0*, *y1*, and *yn* to return a huge negative value.