

NAME

sinh, cosh, tanh — hyperbolic functions

SYNOPSIS

```
#include <math.h>
```

```
double sinh (x)
```

```
double x;
```

```
double cosh (x)
```

```
double x;
```

```
double tanh (x)
```

```
double x;
```

DESCRIPTION

These functions compute the designated hyperbolic functions for real arguments.

DIAGNOSTICS

Sinh and *cosh* return a huge value of appropriate sign when the correct value would overflow.