## NAME

expr – c-like expression library

## SYNOPSIS

```
#include <graphviz/expr.h>

Expr_t*         exopen(Exdisc_t*);
Excc_t*         exccopen(Expr_t*, Exccdisc_t*);
int           excccclose(Excc_t*);
void           exclose(Expr_t*, int);
char*          excontext(Expr_t*, char*, int);
void           exerror(const char*, ...);
Extype_t        exeval(Expr_t*, Exnode_t*, void*);
Exnode_t*       exexpr(Expr_t*, const char*, Exid_t*, int);

Exnode_t*       excast(Expr_t*, Exnode_t*, int, Exnode_t*, int);
Exnode_t*       exnewnode(Expr_t*, int, int, int, Exnode_t*, Exnode_t*);
void           exfreenode(Expr_t*, Exnode_t*);
int           expush(Expr_t*, const char*, int, const char*, Sfio_t*);
int           expop(Expr_t*);
int           excomp(Expr_t*, const char*, int, const char*, Sfio_t*);
int           extoken(Expr_t*);
char*          extype(int);
Extype_t        exzero(int);
```

## DESCRIPTION

exopen() is the first function called. exclose() is the last function called. exccopen() is the called if code generation will be used. excccclose() releases the state information allocated in exccopen().

## SEE ALSO