

**NAME**

expr – c-like expression library

**SYNOPSIS**

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

Expr_t*      exopen(Exdisc_t*);
Excc_t*      exccopen(Expr_t*, Exccdisc_t*);
int          excc(Excc_t*, const char*, Exid_t*, int);
int          exccclose(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          exrewind(Expr_t*);
void         exstatement(Expr_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. exccclose() releases the state information allocated in exccopen(). exstatement() saves statement start information. exrewind() restores statement start information saved by exstatement().

**SEE ALSO**