NAME

Intro, intro – introduction to functions and libraries

DESCRIPTION

This section describes functions found in various libraries, other than those functions that directly invoke UNIX system primitives, which are described in Section 2 of this volume. Function declarations can be obtained from the **#include** files indicated on each page. Certain major collections are identified by a letter after the section number:

(3B) These functions constitute the Source Compatibility (with BSD functions) library. It is implemented as a shared object, **libucb.so**, and as an archive, **libucb.a**, but is not automatically linked by the C compilation system. Specify –**lucb** on the **cc** command line to link with this library, which is located in the **/usr/ucb** subdirectory. Header files for this library are located within **/usr/ucbinclude**.

(3C) These functions, together with those of Section 2 and those marked (3S), constitute the standard C library, **libc**, which is automatically linked by the C compilation system. The standard C library is implemented as a shared object, **libc.so**, and as an archive, **libc.a**. C programs are linked with the shared object version of the standard C library by default. Specify –**dn** on the **cc** command line to link with the archive version. (See **cc**(1B) for other overrides, and the ''C Compilation System'' chapter of the *ANSI C Programmer's Guide* for a discussion.) Some functions behave differently in the XPG4 environment. This behavior is noted on the individual manual pages. See **xpg4**(5).

(3E) These functions constitute the ELF access library, **libelf**, (Extensible Linking Formats). This library provides the interface for the creation and analyses of "elf" files; executables, objects, and shared objects. **libelf** is implemented as a shared object, **libelf.so**, and as an archive, **libelf.a**, but is not automatically linked by the C compilation system. Specify –**lelf** on the **cc** command line to link with this library.

(3G) These functions constitute the string pattern-matching & pathname manipulation library, **libgen**. This library is implemented as an archive, **libgen.a**, but not as a shared object, and is not automatically linked by the C compilation system. Specify –**lgen** on the **cc** command line to link with this library.

(3I) These functions constitute the wide character libraries for multi-byte character support, and the international library for messaging. These libraries, **libintl**, and **libw**, are both implemented as shared objects, **libintl.so** and **libw.so**, and as archives, **libintl.a** and **libw.a**. However, they are not automatically linked by the C compilation system; specify –**lintl** or –**lw** on the **cc** command line, as needed to link the appropriate library.

(3K) These functions allow access to the kernel's virtual memory library, which is implemented as a shared object, **libkvm.so**, and as an archive, **libkvm.a**, but is not automatically linked by the C compilation system. Specify –**lkvm** on the **cc** command line to link with this library.

(3M) These functions constitute the math library, **libm**. This library is implemented as a shared object, **libm.so**, and as an archive, **libm.a**, but is not automatically linked by the C compilation system. Specify –**lm** on the **cc** command line to link with this library.

(3N) These functions constitute the Network Service Library, **libnsl**. It is implemented as a shared object, **libnsl.so**, and as an archive, **libnsl.a**, but is not automatically linked by the C compilation system. Specify –**lnsl** on the **cc** command line to link with this library.

Some of the functions documented in man3n incorporate other network libraries, including:
- **libsocket**,
- **libresolv**,
- **librpcsrv**,
- **libnisdb**,
- **librac**,
- **libxfn**, and
- **libkrb**.

(3R) These functions constitute the POSIX.4 Realtime library, **libposix4**. It is implemented only as a shared object, **libposix4.so**, and is not automatically linked by the C compilation system. Specify –**lposix4** on the **cc** command line to link with this library.

(3S) These functions constitute the ''standard I/O package'' (see **stdio**(3S)). They can be compiled using the the standard C library, **libc**, which is automatically linked by the C compilation system. The standard C library is implemented as a shared object, **libc.so**, and as an archive, **libc.a**.

(3T) These functions constitute the threads libraries, **libpthread** and **libthread**. These libraries are used for building multithreaded applications. **libpthread** implements the POSIX threads interface, whereas, **libthread** implements the Solaris threads interface.

Both POSIX threads and Solaris threads can be used within the same application. Their implementations are completely compatible with each other; however, only POSIX threads guarantee portability to other POSIX-compliant environments.

When POSIX and Solaris threads are used in the same application, if there are calls with the same name but different semantics, the POSIX semantic supersedes the Solaris semantic. For example, the call to **fork( )** will imply the **fork1( )** semantic in a program linked with the POSIX threads library, whether or not it is also linked with **-lthread** (Solaris threads).

libpthread and **libthread** are implemented as shared objects, **libpthread.so** and **libthread.so**, but not as archived libraries. **libpthread** and **libthread** are not automatically linked by the C compilation system. Specify –**lpthread** or –**lthread** on the **cc** command line to link with these libraries.

The following functions are optional under POSIX and are not supported in the current Solaris release.

int pthread_mutexattr_setprotocol(pthread_mutexattr_t **attr*, **int** *protocol***);**
int pthread_mutexattr_getprotocol(const pthread_mutexattr_t **attr*, **int** **protocol***);**
int pthread_mutexattr_setprioceiling(pthread_mutexattr_t **attr*, **int** *prioceiling***);**
int pthread_mutexattr_getprioceiling(const pthread_mutexattr_t **attr*, **int** **prioceiling***);**

(3X) Specialized libraries. These functions are contained in libraries including, but not limited to,

- **libadm**,
- **libbsdmalloc**,
- **libcrypt**,
- **libcurses**,
- **libdl**,
- **libform**,
- **libmail**,
- **libmalloc**,
- **libmapmalloc**,
- **libmenu**, and
- **libpanel**.

DEFINITIONS

A character is any bit pattern able to fit into a byte on the machine.

Exception: in some international languages, a “character” may require more than one byte, and is represented in multi-bytes.

The null character is a character with value 0, conventionally represented in the C language as **\ 0**. A character array is a sequence of characters. A null-terminated character array (a *string*) is a sequence of characters, the last of which is the null character. The null string is a character array containing only the terminating null character. A **NULL** pointer is the value that is obtained by casting **0** into a pointer. C guarantees that this value will not match that of any legitimate pointer, so many functions that return pointers return **NULL** to indicate an error. The macro **NULL** is defined in **<stdio.h>**. Types of the form **size_t** are defined in the appropriate headers.

MT-Level of Libraries

Libraries are classified into four categories which define the level of the libraries’ ability to support threads.

The MT-Level category of the libraries in this section are shown on each man page under **MT-Level**. Pages containing routines that are of multiple or differing MT-Levels show this under the **NOTES** section.

Safe Safe is simply an attribute of code that can be called from a multithreaded application. It is a generic term used to differentiate between code that is unsafe.

Unsafe An unsafe library contains global and static data that is not protected. It is not safe to use unless the application arranges for only one thread at time to execute within the library. Unsafe libraries may contain routines that are safe; however, most of the library's routines are unsafe to call.

MT-Safe An MT-Safe library is fully prepared for multithreaded access. It protects its global and static data with locks, and can provide a reasonable amount of concurrency. Note that a library can be safe to use, but not MT-Safe. For example, surrounding an entire library with a monitor makes the library safe, but it supports no concurrency so it is not considered MT-Safe. An MT-Safe library must permit a reasonable amount of concurrency. (This definition's purpose is to give precision to what is meant when a library is described as safe. The definition of a "safe" library does not specify if the library supports concurrency. The MT-Safe definition makes it clear that the library is safe, and supports some concurrency. This clarifies the safe definition, which can mean anything from being single threaded to being any degree of multithreaded.)

Async-Signal-Safe

Async-Signal-Safe refers to particular library routines that can be safely called from a signal handler. A thread that is executing an Async-Signal-Safe routine will not deadlock with itself if interrupted by a signal. Signals are only a problem for MT-Safe routines that acquire locks.

Signals are disabled when locks are acquired in Async-Signal-Safe routines. This prevents a signal handler that might acquire the same lock from being called.

The designation "Async-Safe" also indicates "Async-Signal-Safe."

The list of "Async-Signal-Safe" functions includes:

_exit	**kill**	**tcflow**
access	**link**	**tcflush**
aio_error	**lseek**	**tcgetattr**
aio_return	**mkdir**	**tcgetpgrp**
aio_suspend	**mkfifo**	**tcsendbreak**
alarm	**open**	**tcsetattr**
cfgetispeed	**pathconf**	**tcsetpgrp**
cfgetospeed	**pause**	**thr_kill**
cfsetispeed	**pipe**	**thr_sigsetmask**
cfsetospeed	**read**	**time**
chdir	**rename**	**timer_getoverrun**
chmod	**rmdir**	**timer_gettime**
chown	**sem_post**	**timer_settime**
clock_gettime	**sema_post**	**times**
close	**setgid**	**umask**
creat	**setpgid**	**uname**
dup	**setsid**	**unlink**

dup2	**setuid**	**utime**
execle	**sigaction**	**wait**
execve	**sigaddset**	**waitpid**
fcntl	**sigdelset**	**write**
fdatasync	**sigemptyset**	
fork	**sigfillset**	
fstat	**sigismember**	
fsync	**sigpending**	
getegid	**sigprocmask**	
geteuid	**sigqueue**	
getgid	**sigsuspend**	
getgroups	**sleep**	
getpgrp	**stat**	
getpid	**sysconf**	
getppid	**tcdrain**	
getuid	**tcdrain**	

MT-Safe with exceptions
See the **NOTES** sections of these pages for a description of the exceptions.

Safe with exceptions
See the **NOTES** sections of these pages for a description of the exceptions.

Fork1-Safe A fork1-safe library releases the locks it had held whenever **fork1**(2) is called in a Solaris thread program, or **fork**(2) in a POSIX thread program. Calling **fork**(2) in a POSIX thread program has the same semantic as calling **fork1**(2) in a Solaris thread program. All system calls, **libpthread**, and **libthread** are **Fork1-Safe**. Otherwise, you should handle the locking clean-up yourself (see **pthread_atfork**(3T)).

The following table contains reentrant counterparts for unsafe functions. This table is subject to change by SunSoft.

Reentrant functions for libc

Unsafe Function	**Reentrant counterpart**
ctime	**ctime_r**
localtime	**localtime_r**
asctime	**asctime_r**
gmtime	**gmtime_r**
ctermid	**ctermid_r**
getlogin	**getlogin_r**
rand	**rand_r**
readdir	**readdir_r**
strtok	**strtok_r**
tmpnam	**tmpnam_r**

Cancel-Safety
If a multi-threaded application uses **pthread_cancel**(3T) to cancel (i.e., kill a

thread), it is possible that the target thread is killed while holding a resource, such as a lock or allocated memory. If the thread has not installed the appropriate cancellation cleanup handlers to release the resources appropriately (see **pthread_cancel**(3T)), the application is "cancel-unsafe", i.e., it is not safe with respect to cancellation. This unsafety could result in deadlocks due to locks not released by a thread that gets cancelled, or resource leaks; for example, memory not being freed on thread cancellation. All applications that use **pthread_cancel(3T)**should**ensure**that**they**operate cancel-safe environment.

Libraries that have cancellation points and which acquire resources such as locks or allocate memory dynamically, also contribute to the cancel-unsafety of applications that are linked with these libraries. This introduces another level of safety for libraries in a multi-threaded program: cancel-safety.

There are two sub-categories of cancel-safety:

Deferred-cancel-safety and Asynchronous-cancel-safety.

An application is considered to be Deferred-cancel-safe when it is cancel-safe for threads whose cancellation type is PTHREAD_CANCEL_DEFERRED.

An application is considered to be Asynchronous-cancel-safe when it is cancel-safe for threads whose cancellation type is PTHREAD_CANCEL_ASYNCHRONOUS.

Deferred-cancel-safety is easier to achieve than Asynchronous-cancel-safety, since a thread with the deferred cancellation type can be cancelled only at well-defined "cancellation points", whereas a thread with the asynchronous cancellation type can be cancelled anywhere. Since all threads are created by default to have the deferred cancellation type, it may never be necessary to worry about asynchronous cancel safety. Indeed, most applications and libraries are expected to always be Asynchronous-cancel-unsafe.

An application which is Asynchronous-cancel-safe is also, by definition, Deferred-cancel-safe.

FILES

INCDIR	usually **/usr/include**
LIBDIR	usually **/usr/ccs/lib**
LIBDIR/**libc.so**	
LIBDIR/**libc.a**	
LIBDIR/**libgen.a**	
LIBDIR/**libm.a**	
LIBDIR/**libsfm.sa**	
/usr/lib/libc.so.1	

SEE ALSO

ar(1), **cc**(1B), **ld**(1), **nm**(1), **fork**(2), **intro**(2), **stdio**(3S), **pthread_atfork**(3T), **xpg4**(5)

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DIAGNOSTICS

For functions that return floating-point values, error handling varies according to compilation mode. Under the –**Xt** (default) option to **cc**, these functions return the conventional values **0**, ±**HUGE**, or **NaN** when the function is undefined for the given arguments or when the value is not representable. In the –**Xa** and –**Xc** compilation modes, ±**HUGE_VAL** is returned instead of ±**HUGE**. (**HUGE_VAL** and **HUGE** are defined in **math.h** to be infinity and the largest-magnitude single-precision number, respectively.)

NOTES ON MULTITHREAD APPLICATIONS

When compiling a multithreaded application, the **_REENTRANT** flag must be defined on the compile line (–**D_REENTRANT**). This enables new definitions for functions only applicable to multithreaded applications.

When building a singlethreaded application, the _**REENTRANT** flag should be undefined. This generates a binary that is executable on previous Solaris releases, which do not support multithreading.

When linking, it is a requirement that a multithreaded application be constructed to ensure that libthread physically interposes upon the C library. For example, the command line for linking the application using **ld** should be ordered as follows:

example% ld [options] .o's ... –lthread

Note that the behavior of the C library is undefined if –**lc** precedes –**lthread**. And, when linking with **cc**, –**lthread** must be last on the command line.

Unsafe interfaces should be called only from the main thread to ensure the application's safety.

MT-Safe interfaces are denoted in the NOTES section of the functions and libraries man pages. If a man page does not state explicitly that an interface is MT-Safe, the user should assume that the interface is unsafe.

REALTIME APPLICATIONS

Be sure to have set the environment variable **LD_BIND_NOW** to a non-**NULL** value to enable early binding.

NOTES

None of the functions, external variables, or macros should be redefined in the user's programs. Any other name may be redefined without affecting the behavior of other library functions, but such redefinition may conflict with a declaration in an included header.

The headers in *INCDIR* provide function prototypes (function declarations including the types of arguments) for most of the functions listed in this manual. Function prototypes allow the compiler to check for correct usage of these functions in the user's program. The **lint** program checker may also be used and will report discrepancies even if the headers are not included with **#include** statements. Definitions for Sections 2, 3C, and 3S are checked automatically. Other definitions can be included by using the –**l** option to **lint**. (For example, –**lm** includes definitions for **libm**.) Use of **lint** is highly recommended. See the **lint** chapter in *Profiling Tools*.

Users should carefully note the difference between STREAMS and *stream*. STREAMS is a set of kernel mechanisms that support the development of network services and data communication drivers. It is composed of utility routines, kernel facilities, and a set of data structures. A *stream* is a file with its associated buffering. It is declared to be a pointer to a type **FILE** defined in **<stdio.h>**.

In detailed definitions of components, it is sometimes necessary to refer to symbolic names that are implementation-specific, but which are not necessarily expected to be accessible to an application program. Many of these symbolic names describe boundary conditions and system limits.

In this section, for readability, these implementation-specific values are given symbolic names. These names always appear enclosed in curly brackets to distinguish them from symbolic names of other implementation-specific constants that are accessible to application programs by headers. These names are not necessarily accessible to an application program through a header, although they may be defined in the documentation for a particular system.

In general, a portable application program should not refer to these symbolic names in its code. For example, an application program would not be expected to test the length of an argument list given to a routine to determine if it was greater than **{ARG_MAX}**.

Name	**Description**
a64l(3C)	convert between long integer and base-64 ASCII string
abort(3C)	terminate the process abnormally
abs(3C)	return absolute value of integer
accept(3N)	accept a connection on a socket
aclcheck(3)	check the validity of an ACL
aclfrommode(3)	See **acltomode**(3)
aclfrompbits(3)	See **acltopbits**(3)
aclfromtext(3)	See **acltotext**(3)
aclsort(3)	sort an ACL
acltomode(3)	convert an ACL to/from permission bits
acltopbits(3)	convert an ACL to/from permission bits
acltotext(3)	convert an internal representation to/from external representation
acos(3M)	See **trig**(3M)
acosh(3M)	See **hyperbolic**(3M)
addch(3X)	See **curs_addch**(3X)

addchnstr(3X)	See **curs_addchstr**(3X)
addchstr(3X)	See **curs_addchstr**(3X)
addnstr(3X)	See **curs_addstr**(3X)
addnwstr(3X)	See **curs_addwstr**(3X)
addsev(3C)	define additional severities
addseverity(3C)	build a list of severity levels for an application for use with fmtmsg
addstr(3X)	See **curs_addstr**(3X)
addwch(3X)	See **curs_addwch**(3X)
addwchnstr(3X)	See **curs_addwchstr**(3X)
addwchstr(3X)	See **curs_addwchstr**(3X)
addwstr(3X)	See **curs_addwstr**(3X)
adjcurspos(3X)	See **curs_alecompat**(3X)
advance(3G)	See **regexpr**(3G)
aiocancel(3)	cancel an asynchronous operation
aio_cancel(3R)	cancel asynchronous I/O request
aio_error(3R)	See **aio_return**(3R)
aio_fsync(3R)	asynchronous file synchronization
aioread(3)	asynchronous I/O operations
aio_read(3R)	asynchronous read and write operations
aio_return(3R)	retrieve return or error status of asynchronous I/O operation
aio_suspend(3R)	wait for asynchronous I/O request
aiowait(3)	wait for completion of asynchronous I/O operation
aiowrite(3)	See **aioread**(3)
aio_write(3R)	See **aio_read**(3R)
alloca(3C)	See **malloc**(3C)
alphasort(3B)	See **scandir**(3B)
arc(3)	See **plot**(3)
ascftime(3C)	See **strftime**(3C)
asctime(3C)	See **ctime**(3C)
asctime_r(3C)	See **ctime**(3C)
asin(3M)	See **trig**(3M)
asinh(3M)	See **hyperbolic**(3M)

assert(3C)	verify program assertion
asysmem(3)	See **sysmem**(3)
atan(3M)	See **trig**(3M)
atan2(3M)	See **trig**(3M)
atanh(3M)	See **hyperbolic**(3M)
atexit(3C)	add program termination routine
atof(3C)	See **strtod**(3C)
atoi(3C)	See **strtol**(3C)
atol(3C)	See **strtol**(3C)
atoll(3C)	See **strtol**(3C)
attroff(3X)	See **curs_attr**(3X)
attron(3X)	See **curs_attr**(3X)
attrset(3X)	See **curs_attr**(3X)
au_close(3)	See **au_open**(3)
au_open(3)	construct and write audit records
au_preselect(3)	preselect an audit event
authdes_create(3N)	See **rpc_soc**(3N)
authdes_getucred(3N)	See **secure_rpc**(3N)
authdes_seccreate(3N)	See **secure_rpc**(3N)
auth_destroy(3N)	See **rpc_clnt_auth**(3N)
authkerb_getucred(3N)	See **kerberos_rpc**(3N)
authkerb_seccreate(3N)	See **kerberos_rpc**(3N)
authnone_create(3N)	See **rpc_clnt_auth**(3N)
authsys_create(3N)	See **rpc_clnt_auth**(3N)
authsys_create_default(3N)	See **rpc_clnt_auth**(3N)
authunix_create(3N)	See **rpc_soc**(3N)
authunix_create_default(3N)	See **rpc_soc**(3N)
au_to(3)	create audit record tokens
au_to_arg(3)	See **au_to**(3)
au_to_attr(3)	See **au_to**(3)
au_to_data(3)	See **au_to**(3)
au_to_groups(3)	See **au_to**(3)
au_to_in_addr(3)	See **au_to**(3)
au_to_ipc(3)	See **au_to**(3)
au_to_ipc_perm(3)	See **au_to**(3)

au_to_iport(3)	See **au_to**(3)
au_to_me(3)	See **au_to**(3)
au_to_opaque(3)	See **au_to**(3)
au_to_path(3)	See **au_to**(3)
au_to_process(3)	See **au_to**(3)
au_to_return(3)	See **au_to**(3)
au_to_socket(3)	See **au_to**(3)
au_to_text(3)	See **au_to**(3)
au_user_mask(3)	get user's binary preselection mask
au_write(3)	See **au_open**(3)
basename(3G)	return the last element of a path name
baudrate(3X)	See **curs_termattrs**(3X)
bcmp(3C)	See **bstring**(3C)
bcopy(3C)	See **bstring**(3C)
beep(3X)	See **curs_beep**(3X)
bessel(3M)	Bessel functions
bgets(3G)	read stream up to next delimiter
bind(3N)	bind a name to a socket
bindtextdomain(3I)	See **gettext**(3I)
bkgd(3X)	See **curs_bkgd**(3X)
bkgdset(3X)	See **curs_bkgd**(3X)
border(3X)	See **curs_border**(3X)
bottom_panel(3X)	See **panel_top**(3X)
box(3)	See **plot**(3)
box(3X)	See **curs_border**(3X)
bsdmalloc(3X)	memory allocator
bsearch(3C)	binary search a sorted table
bstring(3C)	bit and byte string operations
bufsplit(3G)	split buffer into fields
byteorder(3N)	convert values between host and network byte order
bzero(3C)	See **bstring**(3C)
calloc(3C)	See **malloc**(3C)
calloc(3X)	See **malloc**(3X)
calloc(3X)	See **mapmalloc**(3X)

callrpc(3N)	See **rpc_soc**(3N)
cancellation(3T)	canceling execution of a thread
can_change_color(3X)	See **curs_color**(3X)
catclose(3C)	See **catopen**(3C)
catgets(3C)	read a program message
catopen(3C)	open/close a message catalog
cbc_crypt(3)	See **des_crypt**(3)
cbreak(3X)	See **curs_inopts**(3X)
cbrt(3M)	See **sqrt**(3M)
ceil(3M)	See **floor**(3M)
cfgetispeed(3)	See **termios**(3)
cfgetospeed(3)	See **termios**(3)
cfree(3X)	See **mapmalloc**(3X)
cfsetispeed(3)	See **termios**(3)
cfsetospeed(3)	See **termios**(3)
cftime(3C)	See **strftime**(3C)
circle(3)	See **plot**(3)
clear(3X)	See **curs_clear**(3X)
clearerr(3S)	See **ferror**(3S)
clearok(3X)	See **curs_outopts**(3X)
clnt_broadcast(3N)	See **rpc_soc**(3N)
clnt_call(3N)	See **rpc_clnt_calls**(3N)
clnt_control(3N)	See **rpc_clnt_create**(3N)
clnt_create(3N)	See **rpc_clnt_create**(3N)
clnt_create_timed(3N)	See **rpc_clnt_create**(3N)
clnt_create_vers(3N)	See **rpc_clnt_create**(3N)
clnt_destroy(3N)	See **rpc_clnt_create**(3N)
clnt_dg_create(3N)	See **rpc_clnt_create**(3N)
clnt_freeres(3N)	See **rpc_clnt_calls**(3N)
clnt_geterr(3N)	See **rpc_clnt_calls**(3N)
clnt_pcreateerror(3N)	See **rpc_clnt_create**(3N)
clnt_perrno(3N)	See **rpc_clnt_calls**(3N)
clnt_perror(3N)	See **rpc_clnt_calls**(3N)
clnt_raw_create(3N)	See **rpc_clnt_create**(3N)
clntraw_create(3N)	See **rpc_soc**(3N)

clnt_spcreateerror(3N)	See **rpc_clnt_create**(3N)
clnt_sperrno(3N)	See **rpc_clnt_calls**(3N)
clnt_sperror(3N)	See **rpc_clnt_calls**(3N)
clnttcp_create(3N)	See **rpc_soc**(3N)
clnt_tli_create(3N)	See **rpc_clnt_create**(3N)
clnt_tp_create(3N)	See **rpc_clnt_create**(3N)
clnt_tp_create_timed(3N)	See **rpc_clnt_create**(3N)
clntudp_bufcreate(3N)	See **rpc_soc**(3N)
clntudp_create(3N)	See **rpc_soc**(3N)
clnt_vc_create(3N)	See **rpc_clnt_create**(3N)
clock(3C)	report CPU time used
clock_getres(3R)	See **clock_settime**(3R)
clock_gettime(3R)	See **clock_settime**(3R)
clock_settime(3R)	high-resolution clock operations
closedir(3C)	See **directory**(3C)
closelog(3)	See **syslog**(3)
closepl(3)	See **plot**(3)
closevt(3)	See **plot**(3)
clrtobot(3X)	See **curs_clear**(3X)
clrtoeol(3X)	See **curs_clear**(3X)
color_content(3X)	See **curs_color**(3X)
compile(3G)	See **regexpr**(3G)
cond_broadcast(3T)	See **condition**(3T)
cond_destroy(3T)	See **condition**(3T)
cond_init(3T)	See **condition**(3T)
condition(3T)	condition variables
cond_signal(3T)	See **condition**(3T)
cond_timedwait(3T)	See **condition**(3T)
cond_wait(3T)	See **condition**(3T)
confstr(3C)	get configurable variables
connect(3N)	initiate a connection on a socket
cont(3)	See **plot**(3)
conv(3C)	translate characters
copylist(3G)	copy a file into memory
copysign(3M)	See **ieee_functions**(3M)

copywin(3X)	See **curs_overlay**(3X)
cos(3M)	See **trig**(3M)
cosh(3M)	See **hyperbolic**(3M)
crypt(3C)	generate encryption
cset(3I)	get information on EUC codesets
csetcol(3I)	See **cset**(3I)
csetlen(3I)	See **cset**(3I)
csetno(3I)	See **cset**(3I)
ctermid(3S)	generate path name for controlling terminal
ctermid_r(3S)	See **ctermid**(3S)
ctime(3C)	convert date and time to string
ctime_r(3C)	See **ctime**(3C)
ctype(3C)	character handling
current_field(3X)	See **form_page**(3X)
current_item(3X)	See **menu_item_current**(3X)
curs_addch(3X)	add a character (with attributes) to a curses window and advance cursor
curs_addchstr(3X)	add string of characters (and attributes) to a curses window
curs_addstr(3X)	add a string of characters to a curses window and advance cursor
curs_addwch(3X)	add a wchar_t character (with attributes) to a curses window and advance cursor
curs_addwchstr(3X)	add string of wchar_t characters (and attributes) to a curses window
curs_addwstr(3X)	add a string of wchar_t characters to a curses window and advance cursor
curs_alecompat(3X)	these functions are added to ALE curses library for moving the cursor by character.
curs_attr(3X)	curses character and window attribute control routines
curs_beep(3X)	curses bell and screen flash routines
curs_bkgd(3X)	curses window background manipulation routines
curs_border(3X)	create curses borders, horizontal and

	vertical lines
curs_clear(3X)	clear all or part of a curses window
curs_color(3X)	curses color manipulation routines
curs_delch(3X)	delete character under cursor in a curses window
curs_deleteln(3X)	delete and insert lines in a curses window
curses(3X)	CRT screen handling and optimization package
curs_getch(3X)	get (or push back) characters from curses terminal keyboard
curs_getstr(3X)	get character strings from curses terminal keyboard
curs_getwch(3X)	get (or push back) wchar_t characters from curses terminal keyboard
curs_getwstr(3X)	get wchar_t character strings from curses terminal keyboard
curs_getyx(3X)	get curses cursor and window coordinates
curs_inch(3X)	get a character and its attributes from a curses window
curs_inchstr(3X)	get a string of characters (and attributes) from a curses window
curs_initscr(3X)	curses screen initialization and manipulation routines
curs_inopts(3X)	curses terminal input option control routines
curs_insch(3X)	insert a character before the character under the cursor in a curses window
curs_insstr(3X)	insert string before character under the cursor in a curses window
curs_instr(3X)	get a string of characters from a curses window
curs_inswch(3X)	insert a wchar_t character before the character under the cursor in a curses window
curs_inswstr(3X)	insert wchar_t string before character under the cursor in a curses window
curs_inwch(3X)	get a wchar_t character and its

	attributes from a curses window
curs_inwchstr(3X)	get a string of wchar_t characters (and attributes) from a curses window
curs_inwstr(3X)	get a string of wchar_t characters from a curses window
curs_kernel(3X)	low-level curses routines
curs_move(3X)	move curses window cursor
curs_outopts(3X)	curses terminal output option control routines
curs_overlay(3X)	overlap and manipulate overlapped curses windows
curs_pad(3X)	create and display curses pads
curs_printw(3X)	print formatted output in curses windows
curs_refresh(3X)	refresh curses windows and lines
curs_scanw(3X)	convert formatted input from a curses widow
curs_scr_dump(3X)	read (write) a curses screen from (to) a file
curs_scroll(3X)	scroll a curses window
curs_set(3X)	See **curs_kernel**(3X)
curs_slk(3X)	curses soft label routines
curs_termattrs(3X)	curses environment query routines
curs_termcap(3X)	curses interfaces (emulated) to the termcap library
curs_terminfo(3X)	curses interfaces to terminfo database
curs_touch(3X)	curses refresh control routines
curs_util(3X)	curses miscellaneous utility routines
curs_window(3X)	create curses windows
cuserid(3S)	get character login name of the user
data_ahead(3X)	See **form_data**(3X)
data_behind(3X)	See **form_data**(3X)
db_add_entry(3N)	See **nis_db**(3N)
db_checkpoint(3N)	See **nis_db**(3N)
db_create_table(3N)	See **nis_db**(3N)

db_destroy_table(3N)	See **nis_db**(3N)
db_first_entry(3N)	See **nis_db**(3N)
db_free_result(3N)	See **nis_db**(3N)
db_initialize(3N)	See **nis_db**(3N)
db_list_entries(3N)	See **nis_db**(3N)
dbm(3B)	data base subroutines
dbm_clearerr(3)	See **ndbm**(3)
dbm_close(3)	See **ndbm**(3)
dbmclose(3B)	See **dbm**(3B)
dbm_delete(3)	See **ndbm**(3)
dbm_error(3)	See **ndbm**(3)
dbm_fetch(3)	See **ndbm**(3)
dbm_firstkey(3)	See **ndbm**(3)
dbminit(3B)	See **dbm**(3B)
dbm_nextkey(3)	See **ndbm**(3)
dbm_open(3)	See **ndbm**(3)
dbm_store(3)	See **ndbm**(3)
db_next_entry(3N)	See **nis_db**(3N)
db_remove_entry(3N)	See **nis_db**(3N)
db_reset_next_entry(3N)	See **nis_db**(3N)
db_standby(3N)	See **nis_db**(3N)
db_table_exists(3N)	See **nis_db**(3N)
db_unload_table(3N)	See **nis_db**(3N)
dcgettext(3I)	See **gettext**(3I)
decimal_to_double(3)	See **decimal_to_floating**(3)
decimal_to_extended(3)	See **decimal_to_floating**(3)
decimal_to_floating(3)	convert decimal record to floating-point value
decimal_to_quadruple(3)	See **decimal_to_floating**(3)
decimal_to_single(3)	See **decimal_to_floating**(3)
def_prog_mode(3X)	See **curs_kernel**(3X)
def_shell_mode(3X)	See **curs_kernel**(3X)
delay_output(3X)	See **curs_util**(3X)
delch(3X)	See **curs_delch**(3X)
del_curterm(3X)	See **curs_terminfo**(3X)

delete(3B)	See **dbm**(3B)
deleteln(3X)	See **curs_deleteln**(3X)
del_panel(3X)	See **panel_new**(3X)
delscreen(3X)	See **curs_initscr**(3X)
delwin(3X)	See **curs_window**(3X)
demangle(3)	decode a C++ encoded symbol name
derwin(3X)	See **curs_window**(3X)
des_crypt(3)	fast DES encryption
DES_FAILED(3)	See **des_crypt**(3)
des_failed(3)	See **des_crypt**(3)
des_setparity(3)	See **des_crypt**(3)
dgettext(3I)	See **gettext**(3I)
dial(3N)	establish an outgoing terminal line connection
difftime(3C)	computes the difference between two calendar times
directory(3C)	directory operations
dirname(3G)	report the parent directory name of a file path name
div(3C)	compute the quotient and remainder
dladdr(3X)	translate address to symbolic information
dlclose(3X)	close a shared object
dlerror(3X)	get diagnostic information
dlopen(3X)	open a shared object
dlsym(3X)	get the address of a symbol in a shared object
dn_comp(3N)	See **resolver**(3N)
dn_expand(3N)	See **resolver**(3N)
doconfig(3N)	execute a configuration script
double_to_decimal(3)	See **floating_to_decimal**(3)
doupdate(3X)	See **curs_refresh**(3X)
drand48(3C)	generate uniformly distributed pseudo-random numbers
dup2(3C)	duplicate an open file descriptor
dup_field(3X)	See **form_field_new**(3X)

dupwin(3X)	See **curs_window**(3X)
dynamic_field_info(3X)	See **form_field_info**(3X)
ecb_crypt(3)	See **des_crypt**(3)
echo(3X)	See **curs_inopts**(3X)
echochar(3X)	See **curs_addch**(3X)
echowchar(3X)	See **curs_addwch**(3X)
econvert(3)	output conversion
ecvt(3)	See **econvert**(3)
ecvt(3C)	convert floating-point number to string
_edata(3C)	See **end**(3C)
edata(3C)	See **end**(3C)
elf(3E)	object file access library
elf32_fsize(3E)	return the size of an object file type
elf32_getehdr(3E)	retrieve class-dependent object file header
elf32_getphdr(3E)	retrieve class-dependent program header table
elf32_getshdr(3E)	retrieve class-dependent section header
elf32_newehdr(3E)	See **elf32_getehdr**(3E)
elf32_newphdr(3E)	See **elf32_getphdr**(3E)
elf32_xlatetof(3E)	class-dependent data translation
elf32_xlatetom(3E)	See **elf32_xlatetof**(3E)
elf_begin(3E)	process ELF object files
elf_cntl(3E)	control an elf file descriptor
elf_end(3E)	See **elf_begin**(3E)
elf_errmsg(3E)	error handling
elf_errno(3E)	See **elf_errmsg**(3E)
elf_fill(3E)	set fill byte
elf_flagdata(3E)	manipulate flags
elf_flagehdr(3E)	See **elf_flagdata**(3E)
elf_flagelf(3E)	See **elf_flagdata**(3E)
elf_flagphdr(3E)	See **elf_flagdata**(3E)
elf_flagscn(3E)	See **elf_flagdata**(3E)
elf_flagshdr(3E)	See **elf_flagdata**(3E)

elf_getarhdr(3E)	retrieve archive member header
elf_getarsym(3E)	retrieve archive symbol table
elf_getbase(3E)	get the base offset for an object file
elf_getdata(3E)	get section data
elf_getident(3E)	retrieve file identification data
elf_getscn(3E)	get section information
elf_hash(3E)	compute hash value
elf_kind(3E)	determine file type
elf_memory(3E)	See **elf_begin**(3E)
elf_ndxscn(3E)	See **elf_getscn**(3E)
elf_newdata(3E)	See **elf_getdata**(3E)
elf_newscn(3E)	See **elf_getscn**(3E)
elf_next(3E)	See **elf_begin**(3E)
elf_nextscn(3E)	See **elf_getscn**(3E)
elf_rand(3E)	See **elf_begin**(3E)
elf_rawdata(3E)	See **elf_getdata**(3E)
elf_rawfile(3E)	retrieve uninterpreted file contents
elf_strptr(3E)	make a string pointer
elf_update(3E)	update an ELF descriptor
elf_version(3E)	coordinate ELF library and application versions
encrypt(3C)	See **crypt**(3C)
end(3C)	last locations in program
_end(3C)	See **end**(3C)
endac(3)	See **getacinfo**(3)
endauclass(3)	See **getauclassent**(3)
endauevent(3)	See **getauevent**(3)
endauuser(3)	See **getauusernam**(3)
endgrent(3C)	See **getgrnam**(3C)
endhostent(3N)	See **gethostbyname**(3N)
endnetconfig(3N)	See **getnetconfig**(3N)
endnetent(3N)	See **getnetbyname**(3N)
endnetgrent(3N)	See **getnetgrent**(3N)
endnetpath(3N)	See **getnetpath**(3N)
endprotoent(3N)	See **getprotobyname**(3N)

endpwent(3C)	See **getpwnam**(3C)
endrpcent(3N)	See **getrpcbyname**(3N)
endservent(3N)	See **getservbyname**(3N)
endspent(3C)	See **getspnam**(3C)
endusershell(3C)	See **getusershell**(3C)
endutent(3C)	See **getutent**(3C)
endutxent(3C)	See **getutxent**(3C)
endwin(3X)	See **curs_initscr**(3X)
erand48(3C)	See **drand48**(3C)
erase(3)	See **plot**(3)
erase(3X)	See **curs_clear**(3X)
erasechar(3X)	See **curs_termattrs**(3X)
erf(3M)	error functions
erfc(3M)	See **erf**(3M)
errno(3C)	See **perror**(3C)
_etext(3C)	See **end**(3C)
etext(3C)	See **end**(3C)
ether_aton(3N)	See **ethers**(3N)
ether_hostton(3N)	See **ethers**(3N)
ether_line(3N)	See **ethers**(3N)
ether_ntoa(3N)	See **ethers**(3N)
ether_ntohost(3N)	See **ethers**(3N)
ethers(3N)	Ethernet address mapping operations
euccol(3I)	See **euclen**(3I)
euclen(3I)	get byte length and display width of EUC characters
eucscol(3I)	See **euclen**(3I)
exit(3C)	terminate process
exp(3M)	exponential, logarithm, power
expm1(3M)	See **exp**(3M)
extended_to_decimal(3)	See **floating_to_decimal**(3)
fabs(3M)	See **ieee_functions**(3M)
fattach(3C)	attach a STREAMS-based file descriptor to an object in the file system name space

fclose(3S)	close or flush a stream
fconvert(3)	See **econvert**(3)
fcvt(3)	See **econvert**(3)
fcvt(3C)	See **ecvt**(3C)
fdatasync(3R)	synchronize a file's data
fdetach(3C)	detach a name from a STREAMS-based file descriptor
fdopen(3S)	See **fopen**(3S)
feof(3S)	See **ferror**(3S)
ferror(3S)	stream status inquiries
fetch(3B)	See **dbm**(3B)
fflush(3S)	See **fclose**(3S)
ffs(3C)	find first set bit
fgetc(3S)	See **getc**(3S)
fgetgrent(3C)	See **getgrnam**(3C)
fgetgrent_r(3C)	See **getgrnam**(3C)
fgetpos(3C)	See **fsetpos**(3C)
fgetpwent(3C)	See **getpwnam**(3C)
fgetpwent_r(3C)	See **getpwnam**(3C)
fgets(3S)	See **gets**(3S)
fgetspent(3C)	See **getspnam**(3C)
fgetspent_r(3C)	See **getspnam**(3C)
fgetwc(3I)	See **getwc**(3I)
fgetws(3I)	See **getws**(3I)
field_arg(3X)	See **form_field_validation**(3X)
field_back(3X)	See **form_field_attributes**(3X)
field_buffer(3X)	See **form_field_buffer**(3X)
field_count(3X)	See **form_field**(3X)
field_fore(3X)	See **form_field_attributes**(3X)
field_index(3X)	See **form_page**(3X)
field_info(3X)	See **form_field_info**(3X)
field_init(3X)	See **form_hook**(3X)
field_just(3X)	See **form_field_just**(3X)
field_opts(3X)	See **form_field_opts**(3X)
field_opts_off(3X)	See **form_field_opts**(3X)

field_opts_on(3X)	See **form_field_opts**(3X)
field_pad(3X)	See **form_field_attributes**(3X)
field_status(3X)	See **form_field_buffer**(3X)
field_term(3X)	See **form_hook**(3X)
field_type(3X)	See **form_field_validation**(3X)
field_userptr(3X)	See **form_field_userptr**(3X)
fileno(3S)	See **ferror**(3S)
file_to_decimal(3)	See **string_to_decimal**(3)
filter(3X)	See **curs_util**(3X)
finite(3C)	See **isnan**(3C)
firstkey(3B)	See **dbm**(3B)
flash(3X)	See **curs_beep**(3X)
floating_to_decimal(3)	convert floating-point value to decimal record
flock(3B)	apply or remove an advisory lock on an open file
flockfile(3S)	acquire and release stream lock
floor(3M)	round to integral value in floating-point format
flushinp(3X)	See **curs_util**(3X)
fmod(3M)	See **ieee_functions**(3M)
fmtmsg(3C)	display a message on stderr or system console
fn_attr_get(3N)	return specified attribute associated with name
fn_attr_get_ids(3N)	get a list of the identifiers of all attributes associated with named object
fn_attr_get_values(3N)	return values of an attribute
fn_attribute_add(3N)	See **FN_attribute_t**(3N)
fn_attribute_assign(3N)	See **FN_attribute_t**(3N)
fn_attribute_copy(3N)	See **FN_attribute_t**(3N)
fn_attribute_create(3N)	See **FN_attribute_t**(3N)
fn_attribute_destroy(3N)	See **FN_attribute_t**(3N)
fn_attribute_first(3N)	See **FN_attribute_t**(3N)
fn_attribute_identifier(3N)	See **FN_attribute_t**(3N)
fn_attribute_next(3N)	See **FN_attribute_t**(3N)

fn_attribute_remove(3N)	See **FN_attribute_t**(3N)
fn_attribute_syntax(3N)	See **FN_attribute_t**(3N)
FN_attribute_t(3N)	an XFN attribute
fn_attribute_valuecount(3N)	See **FN_attribute_t**(3N)
fn_attr_modify(3N)	modify specified attribute associated with name
fn_attrmodlist_add(3N)	See **FN_attrmodlist_t**(3N)
fn_attrmodlist_assign(3N)	See **FN_attrmodlist_t**(3N)
fn_attrmodlist_copy(3N)	See **FN_attrmodlist_t**(3N)
fn_attrmodlist_count(3N)	See **FN_attrmodlist_t**(3N)
fn_attrmodlist_create(3N)	See **FN_attrmodlist_t**(3N)
fn_attrmodlist_destroy(3N)	See **FN_attrmodlist_t**(3N)
fn_attrmodlist_first(3N)	See **FN_attrmodlist_t**(3N)
fn_attrmodlist_next(3N)	See **FN_attrmodlist_t**(3N)
FN_attrmodlist_t(3N)	a list of attribute modifications
fn_attr_multi_get(3N)	return multiple attributes associated with named object
fn_attr_multi_modify(3N)	modify multiple attributes associated with named object
fn_attrset_add(3N)	See **FN_attrset_t**(3N)
fn_attrset_assign(3N)	See **FN_attrset_t**(3N)
fn_attrset_copy(3N)	See **FN_attrset_t**(3N)
fn_attrset_count(3N)	See **FN_attrset_t**(3N)
fn_attrset_create(3N)	See **FN_attrset_t**(3N)
fn_attrset_destroy(3N)	See **FN_attrset_t**(3N)
fn_attrset_first(3N)	See **FN_attrset_t**(3N)
fn_attrset_get(3N)	See **FN_attrset_t**(3N)
fn_attrset_next(3N)	See **FN_attrset_t**(3N)
fn_attrset_remove(3N)	See **FN_attrset_t**(3N)
FN_attrset_t(3N)	a set of XFN attributes
FN_attrvalue_t(3N)	an XFN attribute value
fn_bindinglist_destroy(3N)	See **fn_ctx_list_bindings**(3N)
fn_bindinglist_next(3N)	See **fn_ctx_list_bindings**(3N)
FN_bindinglist_t(3N)	See **fn_ctx_list_bindings**(3N)
fn_composite_name_append_comp(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_append_name(3N)	See **FN_composite_name_t**(3N)

fn_composite_name_assign(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_copy(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_count(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_create(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_delete_comp(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_destroy(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_first(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_from_string(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_insert_comp(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_insert_name(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_is_empty(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_is_equal(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_is_prefix(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_is_suffix(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_last(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_next(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_prefix(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_prepend_comp(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_prepend_name(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_prev(3N)	See **FN_composite_name_t**(3N)
fn_composite_name_suffix(3N)	See **FN_composite_name_t**(3N)
FN_composite_name_t(3N)	a sequence of component names spanning multiple naming systems
fn_compound_name_append_comp(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_assign(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_copy(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_count(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_delete_all(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_delete_comp(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_destroy(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_first(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_from_syntax_attrs(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_get_syntax_attrs(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_insert_comp(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_is_empty(3N)	See **FN_compound_name_t**(3N)

fn_compound_name_is_equal(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_is_prefix(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_is_suffix(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_last(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_next(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_prefix(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_prepend_comp(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_prev(3N)	See **FN_compound_name_t**(3N)
fn_compound_name_suffix(3N)	See **FN_compound_name_t**(3N)
FN_compound_name_t(3N)	an XFN compound name
fn_ctx_bind(3N)	bind a reference to a name
fn_ctx_create_subcontext(3N)	create a subcontext in a context
fn_ctx_destroy_subcontext(3N)	destroy the named context and remove its binding from the parent context
fn_ctx_get_ref(3N)	return a context's reference
fn_ctx_get_syntax_attrs(3N)	return syntax attributes associated with named context
fn_ctx_handle_destroy(3N)	release storage associated with context handle
fn_ctx_handle_from_initial(3N)	return a handle to the Initial Context
fn_ctx_handle_from_ref(3N)	construct a handle to a context object using the given reference
fn_ctx_list_bindings(3N)	list the atomic names and references bound in a context
fn_ctx_list_names(3N)	list the atomic names bound in a context
fn_ctx_lookup(3N)	look up name in context
fn_ctx_lookup_link(3N)	look up the link reference bound to a name
fn_ctx_rename(3N)	rename the name of a binding
FN_ctx_t(3N)	an XFN context
fn_ctx_unbind(3N)	unbind a name from a context
FN_identifier_t(3N)	an XFN identifier
fnmatch(3C)	match filename or path name
fn_multigetlist_destroy(3N)	See **fn_attr_multi_get**(3N)
fn_multigetlist_next(3N)	See **fn_attr_multi_get**(3N)

FN_multigetlist_t(3N)	See **fn_attr_multi_get**(3N)
fn_namelist_destroy(3N)	See **fn_ctx_list_names**(3N)
fn_namelist_next(3N)	See **fn_ctx_list_names**(3N)
FN_namelist_t(3N)	See **fn_ctx_list_names**(3N)
fn_ref_addr_assign(3N)	See **FN_ref_addr_t**(3N)
fn_ref_addr_copy(3N)	See **FN_ref_addr_t**(3N)
fn_ref_addrcount(3N)	See **FN_ref_t**(3N)
fn_ref_addr_create(3N)	See **FN_ref_addr_t**(3N)
fn_ref_addr_data(3N)	See **FN_ref_addr_t**(3N)
fn_ref_addr_description(3N)	See **FN_ref_addr_t**(3N)
fn_ref_addr_destroy(3N)	See **FN_ref_addr_t**(3N)
fn_ref_addr_length(3N)	See **FN_ref_addr_t**(3N)
FN_ref_addr_t(3N)	an address in an XFN reference
fn_ref_addr_type(3N)	See **FN_ref_addr_t**(3N)
fn_ref_append_addr(3N)	See **FN_ref_t**(3N)
fn_ref_assign(3N)	See **FN_ref_t**(3N)
fn_ref_copy(3N)	See **FN_ref_t**(3N)
fn_ref_create(3N)	See **FN_ref_t**(3N)
fn_ref_create_link(3N)	See **FN_ref_t**(3N)
fn_ref_delete_addr(3N)	See **FN_ref_t**(3N)
fn_ref_delete_all(3N)	See **FN_ref_t**(3N)
fn_ref_description(3N)	See **FN_ref_t**(3N)
fn_ref_destroy(3N)	See **FN_ref_t**(3N)
fn_ref_first(3N)	See **FN_ref_t**(3N)
fn_ref_insert_addr(3N)	See **FN_ref_t**(3N)
fn_ref_is_link(3N)	See **FN_ref_t**(3N)
fn_ref_link_name(3N)	See **FN_ref_t**(3N)
fn_ref_next(3N)	See **FN_ref_t**(3N)
fn_ref_prepend_addr(3N)	See **FN_ref_t**(3N)
FN_ref_t(3N)	an XFN reference
fn_ref_type(3N)	See **FN_ref_t**(3N)
fn_status_advance_by_name(3N)	See **FN_status_t**(3N)
fn_status_append_remaining_name(3N)	See **FN_status_t**(3N)
fn_status_append_resolved_name(3N)	See **FN_status_t**(3N)
fn_status_assign(3N)	See **FN_status_t**(3N)

fn_status_code(3N)	See **FN_status_t**(3N)
fn_status_copy(3N)	See **FN_status_t**(3N)
fn_status_create(3N)	See **FN_status_t**(3N)
fn_status_description(3N)	See **FN_status_t**(3N)
fn_status_destroy(3N)	See **FN_status_t**(3N)
fn_status_diagnostic_message(3N)	See **FN_status_t**(3N)
fn_status_is_success(3N)	See **FN_status_t**(3N)
fn_status_link_code(3N)	See **FN_status_t**(3N)
fn_status_link_diagnostic_message(3N)	See **FN_status_t**(3N)
fn_status_link_remaining_name(3N)	See **FN_status_t**(3N)
fn_status_link_resolved_name(3N)	See **FN_status_t**(3N)
fn_status_link_resolved_ref(3N)	See **FN_status_t**(3N)
fn_status_remaining_name(3N)	See **FN_status_t**(3N)
fn_status_resolved_name(3N)	See **FN_status_t**(3N)
fn_status_resolved_ref(3N)	See **FN_status_t**(3N)
fn_status_set(3N)	See **FN_status_t**(3N)
fn_status_set_code(3N)	See **FN_status_t**(3N)
fn_status_set_diagnostic_message(3N)	See **FN_status_t**(3N)
fn_status_set_link_code(3N)	See **FN_status_t**(3N)
fn_status_set_link_diagnostic_message(3N)	See **FN_status_t**(3N)
fn_status_set_link_remaining_name(3N)	See **FN_status_t**(3N)
fn_status_set_link_resolved_name(3N)	See **FN_status_t**(3N)
fn_status_set_link_resolved_ref(3N)	See **FN_status_t**(3N)
fn_status_set_remaining_name(3N)	See **FN_status_t**(3N)
fn_status_set_resolved_name(3N)	See **FN_status_t**(3N)
fn_status_set_resolved_ref(3N)	See **FN_status_t**(3N)
fn_status_set_success(3N)	See **FN_status_t**(3N)
FN_status_t(3N)	an XFN status object
fn_string_assign(3N)	See **FN_string_t**(3N)
fn_string_bytecount(3N)	See **FN_string_t**(3N)
fn_string_charcount(3N)	See **FN_string_t**(3N)
fn_string_code_set(3N)	See **FN_string_t**(3N)
fn_string_compare(3N)	See **FN_string_t**(3N)
fn_string_compare_substring(3N)	See **FN_string_t**(3N)
fn_string_contents(3N)	See **FN_string_t**(3N)

fn_string_copy(3N)	See **FN_string_t**(3N)
fn_string_create(3N)	See **FN_string_t**(3N)
fn_string_destroy(3N)	See **FN_string_t**(3N)
fn_string_from_composite_name(3N)	See **FN_composite_name_t**(3N)
fn_string_from_compound_name(3N)	See **FN_compound_name_t**(3N)
fn_string_from_contents(3N)	See **FN_string_t**(3N)
fn_string_from_str(3N)	See **FN_string_t**(3N)
fn_string_from_strings(3N)	See **FN_string_t**(3N)
fn_string_from_str_n(3N)	See **FN_string_t**(3N)
fn_string_from_substring(3N)	See **FN_string_t**(3N)
fn_string_is_empty(3N)	See **FN_string_t**(3N)
fn_string_next_substring(3N)	See **FN_string_t**(3N)
fn_string_prev_substring(3N)	See **FN_string_t**(3N)
fn_string_str(3N)	See **FN_string_t**(3N)
FN_string_t(3N)	a character string
fn_valuelist_destroy(3N)	See **fn_attr_get_values**(3N)
fn_valuelist_next(3N)	See **fn_attr_get_values**(3N)
FN_valuelist_t(3N)	See **fn_attr_get_values**(3N)
fopen(3B)	open a stream
fopen(3S)	open a stream
form_cursor(3X)	position forms window cursor
form_data(3X)	tell if forms field has off-screen data ahead or behind
form_driver(3X)	command processor for the forms subsystem
form_field(3X)	connect fields to forms
form_field_attributes(3X)	format the general display attributes of forms
form_field_buffer(3X)	set and get forms field attributes
form_field_info(3X)	get forms field characteristics
form_field_just(3X)	format the general appearance of forms
form_field_new(3X)	create and destroy forms fields
form_field_opts(3X)	forms field option routines
form_fields(3X)	See **form_field**(3X)
form_fieldtype(3X)	forms fieldtype routines

form_field_userptr(3X)	associate application data with forms
form_field_validation(3X)	forms field data type validation
form_hook(3X)	assign application-specific routines for invocation by forms
form_init(3X)	See **form_hook**(3X)
form_new(3X)	create and destroy forms
form_new_page(3X)	forms pagination
form_opts(3X)	forms option routines
form_opts_off(3X)	See **form_opts**(3X)
form_opts_on(3X)	See **form_opts**(3X)
form_page(3X)	set forms current page and field
form_post(3X)	write or erase forms from associated subwindows
forms(3X)	character based forms package
form_sub(3X)	See **form_win**(3X)
form_term(3X)	See **form_hook**(3X)
form_userptr(3X)	associate application data with forms
form_win(3X)	forms window and subwindow association routines
fpclass(3C)	See **isnan**(3C)
fpgetmask(3C)	See **fpgetround**(3C)
fpgetround(3C)	IEEE floating-point environment control
fpgetsticky(3C)	See **fpgetround**(3C)
fprintf(3B)	See **printf**(3B)
fprintf(3S)	See **printf**(3S)
fpsetmask(3C)	See **fpgetround**(3C)
fpsetround(3C)	See **fpgetround**(3C)
fpsetsticky(3C)	See **fpgetround**(3C)
fputc(3S)	See **putc**(3S)
fputs(3S)	See **puts**(3S)
fputwc(3I)	See **putwc**(3I)
fputws(3I)	See **putws**(3I)
fread(3S)	buffered binary input/output
free(3C)	See **malloc**(3C)
free(3X)	See **bsdmalloc**(3X)

free(3X)	See **malloc**(3X)
free(3X)	See **mapmalloc**(3X)
free_field(3X)	See **form_field_new**(3X)
free_fieldtype(3X)	See **form_fieldtype**(3X)
free_form(3X)	See **form_new**(3X)
free_item(3X)	See **menu_item_new**(3X)
free_menu(3X)	See **menu_new**(3X)
freenetconfigent(3N)	See **getnetconfig**(3N)
freopen(3B)	See **fopen**(3B)
freopen(3S)	See **fopen**(3S)
frexp(3C)	manipulate parts of floating-point numbers
fscanf(3S)	See **scanf**(3S)
fseek(3S)	reposition a file pointer in a stream
fsetpos(3C)	reposition a file pointer in a stream
fsync(3C)	synchronize a file's in-memory state with that on the physical medium
ftell(3S)	See **fseek**(3S)
ftime(3C)	get date and time
ftok(3C)	See **stdipc**(3C)
ftrylockfile(3S)	See **flockfile**(3S)
ftruncate(3C)	See **truncate**(3C)
ftw(3C)	walk a file tree
func_to_decimal(3)	See **string_to_decimal**(3)
funlockfile(3S)	See **flockfile**(3S)
fwrite(3S)	See **fread**(3S)
gamma(3M)	See **lgamma**(3M)
gamma_r(3M)	See **lgamma**(3M)
gconvert(3)	See **econvert**(3)
gcvt(3)	See **econvert**(3)
gcvt(3C)	See **ecvt**(3C)
getacdir(3)	See **getacinfo**(3)
getacflg(3)	See **getacinfo**(3)
getacinfo(3)	get audit control file information
getacmin(3)	See **getacinfo**(3)
getacna(3)	See **getacinfo**(3)

getauclassent(3)	get audit_class entry
getauclassent_r(3)	See **getauclassent**(3)
getauclassnam(3)	See **getauclassent**(3)
getauclassnam_r(3)	See **getauclassent**(3)
getauditflags(3)	convert audit flag specifications
getauditflagsbin(3)	See **getauditflags**(3)
getauditflagschar(3)	See **getauditflags**(3)
getauevent(3)	get audit_user entry
getauevent_r(3)	See **getauevent**(3)
getauevnam(3)	See **getauevent**(3)
getauevnam_r(3)	See **getauevent**(3)
getauevnonam(3)	See **getauevent**(3)
getauevnum(3)	See **getauevent**(3)
getauevnum_r(3)	See **getauevent**(3)
getauuserent(3)	See **getauusernam**(3)
getauusernam(3)	get audit_user entry
getbegyx(3X)	See **curs_getyx**(3X)
getc(3S)	get character or word from a stream
getch(3X)	See **curs_getch**(3X)
getchar(3S)	See **getc**(3S)
getchar_unlocked(3S)	See **getc**(3S)
getc_unlocked(3S)	See **getc**(3S)
getcwd(3C)	get pathname of current working directory
getdate(3C)	convert user format date and time
getdtablesize(3C)	get file descriptor table size
getenv(3C)	return value for environment name
getfauditflags(3)	generates the process audit state
getgrent(3C)	See **getgrnam**(3C)
getgrent_r(3C)	See **getgrnam**(3C)
getgrgid(3C)	See **getgrnam**(3C)
getgrgid_r(3C)	See **getgrnam**(3C)
getgrnam(3C)	get group entry
getgrnam_r(3C)	See **getgrnam**(3C)
gethostbyaddr(3N)	See **gethostbyname**(3N)

gethostbyaddr_r(3N)	See **gethostbyname**(3N)
gethostbyname(3N)	get network host entry
gethostbyname_r(3N)	See **gethostbyname**(3N)
gethostent(3N)	See **gethostbyname**(3N)
gethostent_r(3N)	See **gethostbyname**(3N)
gethostid(3C)	get unique identifier of current host
gethostname(3C)	get/set name of current host
gethrtime(3C)	get high resolution time
gethrvtime(3C)	See **gethrtime**(3C)
getlogin(3C)	get login name
getlogin_r(3C)	See **getlogin**(3C)
getmaxyx(3X)	See **curs_getyx**(3X)
getmntany(3C)	See **getmntent**(3C)
getmntent(3C)	get mnttab file information
get_myaddress(3N)	See **rpc_soc**(3N)
getnetbyaddr(3N)	See **getnetbyname**(3N)
getnetbyaddr_r(3N)	See **getnetbyname**(3N)
getnetbyname(3N)	get network entry
getnetbyname_r(3N)	See **getnetbyname**(3N)
getnetconfig(3N)	get network configuration database entry
getnetconfigent(3N)	See **getnetconfig**(3N)
getnetent(3N)	See **getnetbyname**(3N)
getnetent_r(3N)	See **getnetbyname**(3N)
getnetgrent(3N)	get network group entry
getnetgrent_r(3N)	See **getnetgrent**(3N)
getnetname(3N)	See **secure_rpc**(3N)
getnetpath(3N)	get /etc/netconfig entry corresponding to NETPATH component
getnwstr(3X)	See **curs_getwstr**(3X)
getopt(3C)	get option letter from argument vector
getpagesize(3C)	get system page size
getparyx(3X)	See **curs_getyx**(3X)
getpass(3C)	read a password
getpeername(3N)	get name of connected peer

getpriority(3C)	get/set scheduling priority for process, process group or user
getprotobyname(3N)	get protocol entry
getprotobyname_r(3N)	See **getprotobyname**(3N)
getprotobynumber(3N)	See **getprotobyname**(3N)
getprotobynumber_r(3N)	See **getprotobyname**(3N)
getprotoent(3N)	See **getprotobyname**(3N)
getprotoent_r(3N)	See **getprotobyname**(3N)
getpublickey(3N)	retrieve public or secret key
getpw(3C)	get passwd entry from UID
getpwent(3C)	See **getpwnam**(3C)
getpwent_r(3C)	See **getpwnam**(3C)
getpwnam(3C)	get password entry
getpwnam_r(3C)	See **getpwnam**(3C)
getpwuid(3C)	See **getpwnam**(3C)
getpwuid_r(3C)	See **getpwnam**(3C)
getrpcbyname(3N)	get RPC entry
getrpcbyname_r(3N)	See **getrpcbyname**(3N)
getrpcbynumber(3N)	See **getrpcbyname**(3N)
getrpcbynumber_r(3N)	See **getrpcbyname**(3N)
getrpcent(3N)	See **getrpcbyname**(3N)
getrpcent_r(3N)	See **getrpcbyname**(3N)
getrpcport(3N)	See **rpc_soc**(3N)
getrusage(3C)	get information about resource utilization
gets(3S)	get a string from a stream
getsecretkey(3N)	See **getpublickey**(3N)
getservbyname(3N)	get service entry
getservbyname_r(3N)	See **getservbyname**(3N)
getservbyport(3N)	See **getservbyname**(3N)
getservbyport_r(3N)	See **getservbyname**(3N)
getservent(3N)	See **getservbyname**(3N)
getservent_r(3N)	See **getservbyname**(3N)
getsockname(3N)	get socket name
getsockopt(3N)	get and set options on sockets
getspent(3C)	See **getspnam**(3C)

getspent_r(3C)	See **getspnam**(3C)
getspnam(3C)	get password entry
getspnam_r(3C)	See **getspnam**(3C)
getstr(3X)	See **curs_getstr**(3X)
getsubopt(3C)	parse suboptions from a string
getsyx(3X)	See **curs_kernel**(3X)
gettext(3I)	message handling functions
gettimeofday(3B)	get or set the date and time
gettimeofday(3C)	get or set the date and time
gettxt(3C)	retrieve a text string
getusershell(3C)	get legal user shells
getutent(3C)	access utmp file entry
getutid(3C)	See **getutent**(3C)
getutline(3C)	See **getutent**(3C)
getutmp(3C)	See **getutxent**(3C)
getutmpx(3C)	See **getutxent**(3C)
getutxent(3C)	access utmpx file entry
getutxid(3C)	See **getutxent**(3C)
getutxline(3C)	See **getutxent**(3C)
getvfsany(3C)	See **getvfsent**(3C)
getvfsent(3C)	get vfstab file entry
getvfsfile(3C)	See **getvfsent**(3C)
getvfsspec(3C)	See **getvfsent**(3C)
getw(3S)	See **getc**(3S)
getwc(3I)	convert EUC character from the stream to Process Code
getwch(3X)	See **curs_getwch**(3X)
getwchar(3I)	See **getwc**(3I)
getwd(3C)	get current working directory path-name
getwidth(3I)	get codeset information
getwin(3X)	See **curs_util**(3X)
getws(3I)	convert a string of EUC characters from the stream to Process Code
getwstr(3X)	See **curs_getwstr**(3X)
getyx(3X)	See **curs_getyx**(3X)

glob(3C)	generate path names matching a pattern
globfree(3C)	See **glob**(3C)
gmatch(3G)	shell global pattern matching
gmtime(3C)	See **ctime**(3C)
gmtime_r(3C)	See **ctime**(3C)
grantpt(3C)	grant access to the slave pseudo-terminal device
gsignal(3C)	See **ssignal**(3C)
halfdelay(3X)	See **curs_inopts**(3X)
has_colors(3X)	See **curs_color**(3X)
has_ic(3X)	See **curs_termattrs**(3X)
has_il(3X)	See **curs_termattrs**(3X)
hasmntopt(3C)	See **getmntent**(3C)
havedisk(3N)	See **rstat**(3N)
hcreate(3C)	See **hsearch**(3C)
hdestroy(3C)	See **hsearch**(3C)
hide_panel(3X)	See **panel_show**(3X)
host2netname(3N)	See **secure_rpc**(3N)
hsearch(3C)	manage hash search tables
htonl(3N)	See **byteorder**(3N)
htons(3N)	See **byteorder**(3N)
hyperbolic(3M)	hyperbolic functions
hypot(3M)	Euclidean distance
iconv(3)	code conversion function
iconv_close(3)	code conversion deallocation function
iconv_open(3)	code conversion allocation function
idcok(3X)	See **curs_outopts**(3X)
idlok(3X)	See **curs_outopts**(3X)
ieee_functions(3M)	appendix and related miscellaneous functions for IEEE arithmetic
ieee_test(3M)	IEEE test functions for verifying standard compliance
ilogb(3M)	See **ieee_functions**(3M)
immedok(3X)	See **curs_outopts**(3X)

inch(3X)	See **curs_inch**(3X)
inchnstr(3X)	See **curs_inchstr**(3X)
inchstr(3X)	See **curs_inchstr**(3X)
index(3C)	string operations
inet(3N)	Internet address manipulation
inet_addr(3N)	See **inet**(3N)
inet_lnaof(3N)	See **inet**(3N)
inet_makeaddr(3N)	See **inet**(3N)
inet_netof(3N)	See **inet**(3N)
inet_network(3N)	See **inet**(3N)
inet_ntoa(3N)	See **inet**(3N)
init_color(3X)	See **curs_color**(3X)
initgroups(3C)	initialize the supplementary group access list
init_pair(3X)	See **curs_color**(3X)
initscr(3X)	See **curs_initscr**(3X)
initstate(3C)	See **random**(3C)
innetgr(3N)	See **getnetgrent**(3N)
innstr(3X)	See **curs_instr**(3X)
innwstr(3X)	See **curs_inwstr**(3X)
insch(3X)	See **curs_insch**(3X)
insdelln(3X)	See **curs_deleteln**(3X)
insertln(3X)	See **curs_deleteln**(3X)
insnstr(3X)	See **curs_insstr**(3X)
insnwstr(3X)	See **curs_inswstr**(3X)
insque(3C)	insert/remove element from a queue
insstr(3X)	See **curs_insstr**(3X)
instr(3X)	See **curs_instr**(3X)
inswch(3X)	See **curs_inswch**(3X)
inswstr(3X)	See **curs_inswstr**(3X)
intrflush(3X)	See **curs_inopts**(3X)
inwch(3X)	See **curs_inwch**(3X)
inwchnstr(3X)	See **curs_inwchstr**(3X)
inwchstr(3X)	See **curs_inwchstr**(3X)
inwstr(3X)	See **curs_inwstr**(3X)

isalnum(3C)	See **ctype**(3C)
isalpha(3C)	See **ctype**(3C)
isascii(3C)	See **ctype**(3C)
isastream(3C)	test a file descriptor
isatty(3C)	See **ttyname**(3C)
iscntrl(3C)	See **ctype**(3C)
isdigit(3C)	See **ctype**(3C)
isencrypt(3G)	determine whether a buffer of characters is encrypted
isendwin(3X)	See **curs_initscr**(3X)
isenglish(3I)	See **iswalpha**(3I)
isgraph(3C)	See **ctype**(3C)
isideogram(3I)	See **iswalpha**(3I)
is_linetouched(3X)	See **curs_touch**(3X)
islower(3C)	See **ctype**(3C)
isnan(3C)	determine type of floating-point number
isnan(3M)	See **ieee_functions**(3M)
isnand(3C)	See **isnan**(3C)
isnanf(3C)	See **isnan**(3C)
isnumber(3I)	See **iswalpha**(3I)
isphonogram(3I)	See **iswalpha**(3I)
isprint(3C)	See **ctype**(3C)
ispunct(3C)	See **ctype**(3C)
isspace(3C)	See **ctype**(3C)
isspecial(3I)	See **iswalpha**(3I)
isupper(3C)	See **ctype**(3C)
iswalnum(3I)	See **iswalpha**(3I)
iswalpha(3I)	Process Code character classification macros and functions
iswascii(3I)	See **iswalpha**(3I)
iswcntrl(3I)	See **iswalpha**(3I)
iswctype(3I)	test character for specified class
iswdigit(3I)	See **iswalpha**(3I)
iswgraph(3I)	See **iswalpha**(3I)
is_wintouched(3X)	See **curs_touch**(3X)

iswlower(3I)	See **iswalpha**(3I)
iswprint(3I)	See **iswalpha**(3I)
iswpunct(3I)	See **iswalpha**(3I)
iswspace(3I)	See **iswalpha**(3I)
iswupper(3I)	See **iswalpha**(3I)
iswxdigit(3I)	See **iswalpha**(3I)
isxdigit(3C)	See **ctype**(3C)
item_count(3X)	See **menu_items**(3X)
item_description(3X)	See **menu_item_name**(3X)
item_index(3X)	See **menu_item_current**(3X)
item_init(3X)	See **menu_hook**(3X)
item_name(3X)	See **menu_item_name**(3X)
item_opts(3X)	See **menu_item_opts**(3X)
item_opts_off(3X)	See **menu_item_opts**(3X)
item_opts_on(3X)	See **menu_item_opts**(3X)
item_term(3X)	See **menu_hook**(3X)
item_userptr(3X)	See **menu_item_userptr**(3X)
item_value(3X)	See **menu_item_value**(3X)
item_visible(3X)	See **menu_item_visible**(3X)
j0(3M)	See **bessel**(3M)
j1(3M)	See **bessel**(3M)
jn(3M)	See **bessel**(3M)
jrand48(3C)	See **drand48**(3C)
kerberos(3N)	Kerberos authentication library
kerberos_rpc(3N)	library routines for remote procedure calls using Kerberos authentication
key_decryptsession(3N)	See **secure_rpc**(3N)
key_encryptsession(3N)	See **secure_rpc**(3N)
key_gendes(3N)	See **secure_rpc**(3N)
keyname(3X)	See **curs_util**(3X)
keypad(3X)	See **curs_inopts**(3X)
key_secretkey_is_set(3N)	See **secure_rpc**(3N)
key_setsecret(3N)	See **secure_rpc**(3N)
killchar(3X)	See **curs_termattrs**(3X)
killpg(3C)	send signal to a process group

krb_get_admhst(3N)	See **krb_realmofhost**(3N)
krb_get_cred(3N)	See **kerberos**(3N)
krb_get_krbhst(3N)	See **krb_realmofhost**(3N)
krb_get_lrealm(3N)	See **krb_realmofhost**(3N)
krb_get_phost(3N)	See **krb_realmofhost**(3N)
krb_kntoln(3N)	See **kerberos**(3N)
krb_mk_err(3N)	See **kerberos**(3N)
krb_mk_req(3N)	See **kerberos**(3N)
krb_mk_safe(3N)	See **kerberos**(3N)
krb_net_read(3N)	See **krb_sendauth**(3N)
krb_net_write(3N)	See **krb_sendauth**(3N)
krb_rd_err(3N)	See **kerberos**(3N)
krb_rd_req(3N)	See **kerberos**(3N)
krb_rd_safe(3N)	See **kerberos**(3N)
krb_realmofhost(3N)	additional Kerberos utility routines
krb_recvauth(3N)	See **krb_sendauth**(3N)
krb_sendauth(3N)	Kerberos routines for sending authentication via network stream sockets
krb_set_key(3N)	See **kerberos**(3N)
krb_set_tkt_string(3N)	set Kerberos ticket cache file name
kstat(3K)	kernel statistics facility
kstat_chain_update(3K)	update the kstat header chain
kstat_close(3K)	See **kstat_open**(3K)
kstat_data_lookup(3K)	See **kstat_lookup**(3K)
kstat_lookup(3K)	find a kstat by name
kstat_open(3K)	initialize kernel statistics facility
kstat_read(3K)	read or write kstat data
kstat_write(3K)	See **kstat_read**(3K)
kvm_close(3K)	See **kvm_open**(3K)
kvm_getcmd(3K)	See **kvm_getu**(3K)
kvm_getproc(3K)	See **kvm_nextproc**(3K)
kvm_getu(3K)	get the u-area or invocation arguments for a process
kvm_kread(3K)	See **kvm_read**(3K)
kvm_kwrite(3K)	See **kvm_read**(3K)

kvm_nextproc(3K)	read system process structures
kvm_nlist(3K)	get entries from kernel symbol table
kvm_open(3K)	specify a kernel to examine
kvm_read(3K)	copy data to or from a kernel image or running system
kvm_setproc(3K)	See **kvm_nextproc**(3K)
kvm_uread(3K)	See **kvm_read**(3K)
kvm_uwrite(3K)	See **kvm_read**(3K)
kvm_write(3K)	See **kvm_read**(3K)
l64a(3C)	See **a64l**(3C)
label(3)	See **plot**(3)
labs(3C)	See **abs**(3C)
lckpwdf(3C)	manipulate shadow password database lock file
lcong48(3C)	See **drand48**(3C)
ldexp(3C)	See **frexp**(3C)
ldiv(3C)	See **div**(3C)
leaveok(3X)	See **curs_outopts**(3X)
lfind(3C)	See **lsearch**(3C)
lfmt(3C)	display error message in standard format and pass to logging and monitoring services
lgamma(3M)	log gamma function
lgamma_r(3M)	See **lgamma**(3M)
libpthread(3T)	See **threads**(3T)
libthread(3T)	See **threads**(3T)
libthread_db(3T)	interface to libthread threads information
line(3)	See **plot**(3)
link_field(3X)	See **form_field_new**(3X)
link_fieldtype(3X)	See **form_fieldtype**(3X)
linmod(3)	See **plot**(3)
lio_listio(3R)	list directed I/O
listen(3N)	listen for connections on a socket
llabs(3C)	See **abs**(3C)
lldiv(3C)	See **div**(3C)

media_findname(3X)	convert a supplied name into an absolute pathname that can be used to access removable media
media_getattr(3X)	get and set media attributes
media_setattr(3X)	See **media_getattr**(3X)
memalign(3C)	See **malloc**(3C)
memccpy(3C)	See **memory**(3C)
memchr(3C)	See **memory**(3C)
memcmp(3C)	See **memory**(3C)
memcpy(3C)	See **memory**(3C)
memmove(3C)	See **memory**(3C)
memory(3C)	memory operations
memset(3C)	See **memory**(3C)
menu_attributes(3X)	control menus display attributes
menu_back(3X)	See **menu_attributes**(3X)
menu_cursor(3X)	correctly position a menus cursor
menu_driver(3X)	command processor for the menus subsystem
menu_fore(3X)	See **menu_attributes**(3X)
menu_format(3X)	set and get maximum numbers of rows and columns in menus
menu_grey(3X)	See **menu_attributes**(3X)
menu_hook(3X)	assign application-specific routines for automatic invocation by menus
menu_init(3X)	See **menu_hook**(3X)
menu_item_current(3X)	set and get current menus items
menu_item_name(3X)	get menus item name and description
menu_item_new(3X)	create and destroy menus items
menu_item_opts(3X)	menus item option routines
menu_items(3X)	connect and disconnect items to and from menus
menu_item_userptr(3X)	associate application data with menus items
menu_item_value(3X)	set and get menus item values
menu_item_visible(3X)	tell if menus item is visible
menu_mark(3X)	menus mark string routines

mq_notify(3R)	notify process (or thread) that a message is available on a queue
mq_open(3R)	open a message queue
mq_receive(3R)	receive a message from a message queue
mq_send(3R)	send a message to a message queue
mq_setattr(3R)	set/get message queue attributes
mq_unlink(3R)	remove a message queue
mrand48(3C)	See **drand48**(3C)
msync(3C)	synchronize memory with physical storage
munlock(3C)	See **mlock**(3C)
munlockall(3C)	See **mlockall**(3C)
mutex(3T)	mutual exclusion locks
mutex_destroy(3T)	See **mutex**(3T)
mutex_init(3T)	See **mutex**(3T)
mutex_lock(3T)	See **mutex**(3T)
mutex_trylock(3T)	See **mutex**(3T)
mutex_unlock(3T)	See **mutex**(3T)
mvaddch(3X)	See **curs_addch**(3X)
mvaddchnstr(3X)	See **curs_addchstr**(3X)
mvaddchstr(3X)	See **curs_addchstr**(3X)
mvaddnstr(3X)	See **curs_addstr**(3X)
mvaddnwstr(3X)	See **curs_addwstr**(3X)
mvaddstr(3X)	See **curs_addstr**(3X)
mvaddwch(3X)	See **curs_addwch**(3X)
mvaddwchnstr(3X)	See **curs_addwchstr**(3X)
mvaddwchstr(3X)	See **curs_addwchstr**(3X)
mvaddwstr(3X)	See **curs_addwstr**(3X)
mvcur(3X)	See **curs_terminfo**(3X)
mvdelch(3X)	See **curs_delch**(3X)
mvderwin(3X)	See **curs_window**(3X)
mvgetch(3X)	See **curs_getch**(3X)
mvgetnwstr(3X)	See **curs_getwstr**(3X)
mvgetstr(3X)	See **curs_getstr**(3X)
mvgetwch(3X)	See **curs_getwch**(3X)

mvgetwstr(3X)	See **curs_getwstr**(3X)
mvinch(3X)	See **curs_inch**(3X)
mvinchnstr(3X)	See **curs_inchstr**(3X)
mvinchstr(3X)	See **curs_inchstr**(3X)
mvinnstr(3X)	See **curs_instr**(3X)
mvinnwstr(3X)	See **curs_inwstr**(3X)
mvinsch(3X)	See **curs_insch**(3X)
mvinsnstr(3X)	See **curs_insstr**(3X)
mvinsnwstr(3X)	See **curs_inswstr**(3X)
mvinsstr(3X)	See **curs_insstr**(3X)
mvinstr(3X)	See **curs_instr**(3X)
mvinswch(3X)	See **curs_inswch**(3X)
mvinswstr(3X)	See **curs_inswstr**(3X)
mvinwch(3X)	See **curs_inwch**(3X)
mvinwchnstr(3X)	See **curs_inwchstr**(3X)
mvinwchstr(3X)	See **curs_inwchstr**(3X)
mvinwstr(3X)	See **curs_inwstr**(3X)
mvprintw(3X)	See **curs_printw**(3X)
mvscanw(3X)	See **curs_scanw**(3X)
mvwaddch(3X)	See **curs_addch**(3X)
mvwaddchnstr(3X)	See **curs_addchstr**(3X)
mvwaddchstr(3X)	See **curs_addchstr**(3X)
mvwaddnstr(3X)	See **curs_addstr**(3X)
mvwaddnwstr(3X)	See **curs_addwstr**(3X)
mvwaddstr(3X)	See **curs_addstr**(3X)
mvwaddwch(3X)	See **curs_addwch**(3X)
mvwaddwchnstr(3X)	See **curs_addwchstr**(3X)
mvwaddwchstr(3X)	See **curs_addwchstr**(3X)
mvwaddwstr(3X)	See **curs_addwstr**(3X)
mvwdelch(3X)	See **curs_delch**(3X)
mvwgetch(3X)	See **curs_getch**(3X)
mvwgetnwstr(3X)	See **curs_getwstr**(3X)
mvwgetstr(3X)	See **curs_getstr**(3X)
mvwgetwch(3X)	See **curs_getwch**(3X)
mvwgetwstr(3X)	See **curs_getwstr**(3X)

mvwin(3X)	See **curs_window**(3X)
mvwinch(3X)	See **curs_inch**(3X)
mvwinchnstr(3X)	See **curs_inchstr**(3X)
mvwinchstr(3X)	See **curs_inchstr**(3X)
mvwinnstr(3X)	See **curs_instr**(3X)
mvwinnwstr(3X)	See **curs_inwstr**(3X)
mvwinsch(3X)	See **curs_insch**(3X)
mvwinsnstr(3X)	See **curs_insstr**(3X)
mvwinsnwstr(3X)	See **curs_inswstr**(3X)
mvwinsstr(3X)	See **curs_insstr**(3X)
mvwinstr(3X)	See **curs_instr**(3X)
mvwinswch(3X)	See **curs_inswch**(3X)
mvwinswstr(3X)	See **curs_inswstr**(3X)
mvwinwch(3X)	See **curs_inwch**(3X)
mvwinwchnstr(3X)	See **curs_inwchstr**(3X)
mvwinwchstr(3X)	See **curs_inwchstr**(3X)
mvwinwstr(3X)	See **curs_inwstr**(3X)
mvwprintw(3X)	See **curs_printw**(3X)
mvwscanw(3X)	See **curs_scanw**(3X)
nanosleep(3R)	high resolution sleep
napms(3X)	See **curs_kernel**(3X)
nc_perror(3N)	See **getnetconfig**(3N)
nc_sperror(3N)	See **getnetconfig**(3N)
ndbm(3)	data base subroutines
netdir(3N)	generic transport name-to-address translation
netdir_free(3N)	See **netdir**(3N)
netdir_getbyaddr(3N)	See **netdir**(3N)
netdir_getbyname(3N)	See **netdir**(3N)
netdir_mergeaddr(3N)	See **netdir**(3N)
netdir_options(3N)	See **netdir**(3N)
netdir_perror(3N)	See **netdir**(3N)
netdir_sperror(3N)	See **netdir**(3N)
netname2host(3N)	See **secure_rpc**(3N)
netname2user(3N)	See **secure_rpc**(3N)

new_field(3X)	See **form_field_new**(3X)
new_fieldtype(3X)	See **form_fieldtype**(3X)
new_form(3X)	See **form_new**(3X)
new_item(3X)	See **menu_item_new**(3X)
new_menu(3X)	See **menu_new**(3X)
newpad(3X)	See **curs_pad**(3X)
new_page(3X)	See **form_new_page**(3X)
new_panel(3X)	See **panel_new**(3X)
newterm(3X)	See **curs_initscr**(3X)
newwin(3X)	See **curs_window**(3X)
nextafter(3C)	See **frexp**(3C)
nextafter(3M)	See **ieee_functions**(3M)
nextkey(3B)	See **dbm**(3B)
nftw(3C)	See **ftw**(3C)
nice(3B)	change priority of a process
nis_add(3N)	See **nis_names**(3N)
nis_add_entry(3N)	See **nis_tables**(3N)
nis_addmember(3N)	See **nis_groups**(3N)
nis_checkpoint(3N)	See **nis_ping**(3N)
nis_clone_object(3N)	See **nis_subr**(3N)
nis_creategroup(3N)	See **nis_groups**(3N)
nis_db(3N)	NIS+ Database access functions
nis_destroygroup(3N)	See **nis_groups**(3N)
nis_destroy_object(3N)	See **nis_subr**(3N)
nis_dir_cmp(3N)	See **nis_subr**(3N)
nis_domain_of(3N)	See **nis_subr**(3N)
nis_error(3N)	display NIS+ error messages
nis_first_entry(3N)	See **nis_tables**(3N)
nis_freenames(3N)	See **nis_subr**(3N)
nis_freeresult(3N)	See **nis_names**(3N)
nis_freeservlist(3N)	See **nis_server**(3N)
nis_freetags(3N)	See **nis_server**(3N)
nis_getnames(3N)	See **nis_subr**(3N)
nis_getservlist(3N)	See **nis_server**(3N)
nis_groups(3N)	NIS+ group manipulation functions

nis_ismember(3N)	See **nis_groups**(3N)
nis_leaf_of(3N)	See **nis_subr**(3N)
nis_lerror(3N)	See **nis_error**(3N)
nis_list(3N)	See **nis_tables**(3N)
nis_local_directory(3N)	See **nis_local_names**(3N)
nis_local_group(3N)	See **nis_local_names**(3N)
nis_local_host(3N)	See **nis_local_names**(3N)
nis_local_names(3N)	NIS+ local names
nis_local_principal(3N)	See **nis_local_names**(3N)
nis_lookup(3N)	See **nis_names**(3N)
__nis_map_group(3N)	See **nis_groups**(3N)
nis_map_group(3N)	See **nis_groups**(3N)
nis_mkdir(3N)	See **nis_server**(3N)
nis_modify(3N)	See **nis_names**(3N)
nis_modify_entry(3N)	See **nis_tables**(3N)
nis_name_of(3N)	See **nis_subr**(3N)
nis_names(3N)	NIS+ namespace functions
nis_next_entry(3N)	See **nis_tables**(3N)
nis_objects(3N)	NIS+ object formats
nis_perror(3N)	See **nis_error**(3N)
nis_ping(3N)	misc NIS+ log administration functions
nis_print_group_entry(3N)	See **nis_groups**(3N)
nis_print_object(3N)	See **nis_subr**(3N)
nis_remove(3N)	See **nis_names**(3N)
nis_remove_entry(3N)	See **nis_tables**(3N)
nis_removemember(3N)	See **nis_groups**(3N)
nis_rmdir(3N)	See **nis_server**(3N)
nis_server(3N)	miscellaneous NIS+ functions
nis_servstate(3N)	See **nis_server**(3N)
nis_sperrno(3N)	See **nis_error**(3N)
nis_sperror(3N)	See **nis_error**(3N)
nis_sperror_r(3N)	See **nis_error**(3N)
nis_stats(3N)	See **nis_server**(3N)
nis_subr(3N)	NIS+ subroutines

nis_tables(3N)	NIS+ table functions
nis_verifygroup(3N)	See **nis_groups**(3N)
nl(3X)	See **curs_outopts**(3X)
nlist(3B)	get entries from symbol table
nlist(3E)	get entries from name list
nl_langinfo(3C)	language information
nlsgetcall(3N)	get client's data passed via the listener
nlsprovider(3N)	get name of transport provider
nlsrequest(3N)	format and send listener service request message
nocbreak(3X)	See **curs_inopts**(3X)
nodelay(3X)	See **curs_inopts**(3X)
noecho(3X)	See **curs_inopts**(3X)
nonl(3X)	See **curs_outopts**(3X)
noqiflush(3X)	See **curs_inopts**(3X)
noraw(3X)	See **curs_inopts**(3X)
NOTE(3X)	annotate source code with info for tools
_NOTE(3X)	See **NOTE**(3X)
notimeout(3X)	See **curs_inopts**(3X)
nrand48(3C)	See **drand48**(3C)
ntohl(3N)	See **byteorder**(3N)
ntohs(3N)	See **byteorder**(3N)
offsetof(3C)	offset of structure member
opendir(3C)	See **directory**(3C)
openlog(3)	See **syslog**(3)
openpl(3)	See **plot**(3)
openvt(3)	See **plot**(3)
overlay(3X)	See **curs_overlay**(3X)
overwrite(3X)	See **curs_overlay**(3X)
p2close(3G)	See **p2open**(3G)
p2open(3G)	open, close pipes to and from a command
pair_content(3X)	See **curs_color**(3X)
panel_above(3X)	panels deck traversal primitives

panel_below(3X)	See **panel_above**(3X)
panel_hidden(3X)	See **panel_show**(3X)
panel_move(3X)	move a panels window on the virtual screen
panel_new(3X)	create and destroy panels
panels(3X)	character based panels package
panel_show(3X)	panels deck manipulation routines
panel_top(3X)	panels deck manipulation routines
panel_update(3X)	panels virtual screen refresh routine
panel_userptr(3X)	associate application data with a panels panel
panel_window(3X)	get or set the current window of a panels panel
pathfind(3G)	search for named file in named directories
pclose(3S)	See **popen**(3S)
pechochar(3X)	See **curs_pad**(3X)
pechowchar(3X)	See **curs_pad**(3X)
perror(3C)	print system error messages
pfmt(3C)	display error message in standard format
plock(3C)	lock or unlock into memory process, text, or data
plot(3)	graphics interface
pmap_getmaps(3N)	See **rpc_soc**(3N)
pmap_getport(3N)	See **rpc_soc**(3N)
pmap_rmtcall(3N)	See **rpc_soc**(3N)
pmap_set(3N)	See **rpc_soc**(3N)
pmap_unset(3N)	See **rpc_soc**(3N)
pnoutrefresh(3X)	See **curs_pad**(3X)
point(3)	See **plot**(3)
popen(3S)	initiate pipe to/from a process
pos_form_cursor(3X)	See **form_cursor**(3X)
pos_menu_cursor(3X)	See **menu_cursor**(3X)
post_form(3X)	See **form_post**(3X)
post_menu(3X)	See **menu_post**(3X)

pthread_attr_init(3T)	thread creation attributes
pthread_attr_setdetachstate(3T)	See **pthread_attr_init**(3T)
pthread_attr_setinheritsched(3T)	See **pthread_attr_init**(3T)
pthread_attr_setschedparam(3T)	See **pthread_attr_init**(3T)
pthread_attr_setschedpolicy(3T)	See **pthread_attr_init**(3T)
pthread_attr_setscope(3T)	See **pthread_attr_init**(3T)
pthread_attr_setstackaddr(3T)	See **pthread_attr_init**(3T)
pthread_attr_setstacksize(3T)	See **pthread_attr_init**(3T)
pthread_cancel(3T)	See **cancellation**(3T)
pthread_cleanup_pop(3T)	See **cancellation**(3T)
pthread_cleanup_push(3T)	See **cancellation**(3T)
pthread_condattr_destroy(3T)	See **pthread_condattr_init**(3T)
pthread_condattr_getpshared(3T)	See **pthread_condattr_init**(3T)
pthread_condattr_init(3T)	condition variable initialization attributes
pthread_condattr_setpshared(3T)	See **pthread_condattr_init**(3T)
pthread_cond_broadcast(3T)	See **condition**(3T)
pthread_cond_destroy(3T)	See **condition**(3T)
pthread_cond_init(3T)	See **condition**(3T)
pthread_cond_signal(3T)	See **condition**(3T)
pthread_cond_timedwait(3T)	See **condition**(3T)
pthread_cond_wait(3T)	See **condition**(3T)
pthread_create(3T)	thread creation
pthread_detach(3T)	dynamically detaching a thread
pthread_equal(3T)	compare thread IDs
pthread_exit(3T)	thread termination
pthread_getschedparam(3T)	See **pthread_setschedparam**(3T)
pthread_getspecific(3T)	See **pthread_key_create**(3T)
pthread_join(3T)	wait for thread termination
pthread_key_create(3T)	thread-specific-data functions
pthread_key_delete(3T)	See **pthread_key_create**(3T)
pthread_kill(3T)	send a signal to a thread
pthread_mutexattr_destroy(3T)	See **pthread_mutexattr_init**(3T)
pthread_mutexattr_getprioceiling(3T)	See **pthread_mutexattr_init**(3T)
pthread_mutexattr_getprotocol(3T)	See **pthread_mutexattr_init**(3T)

pthread_mutexattr_getpshared(3T)	See **pthread_mutexattr_init**(3T)
pthread_mutexattr_init(3T)	mutex initialization attributes
pthread_mutexattr_setprioceiling(3T)	See **pthread_mutexattr_init**(3T)
pthread_mutexattr_setprotocol(3T)	See **pthread_mutexattr_init**(3T)
pthread_mutexattr_setpshared(3T)	See **pthread_mutexattr_init**(3T)
pthread_mutex_destroy(3T)	See **mutex**(3T)
pthread_mutex_getprioceiling(3T)	See **pthread_mutex_setprioceiling**(3T)
pthread_mutex_init(3T)	See **mutex**(3T)
pthread_mutex_lock(3T)	See **mutex**(3T)
pthread_mutex_setprioceiling(3T)	change the priority ceiling of a mutex
pthread_mutex_trylock(3T)	See **mutex**(3T)
pthread_mutex_unlock(3T)	See **mutex**(3T)
pthread_once(3T)	dynamic package initialization
pthreads(3T)	See **threads**(3T)
pthread_self(3T)	get calling thread's ID
pthread_setcancelstate(3T)	See **cancellation**(3T)
pthread_setcanceltype(3T)	See **cancellation**(3T)
pthread_setschedparam(3T)	dynamic access to thread scheduling
pthread_setspecific(3T)	See **pthread_key_create**(3T)
pthread_sigmask(3T)	change and/or examine calling thread's signal mask
pthread_testcancel(3T)	See **cancellation**(3T)
ptsname(3C)	get name of the slave pseudo-terminal device
publickey(3N)	See **getpublickey**(3N)
putc(3S)	put character or word on a stream
putchar(3S)	See **putc**(3S)
putchar_unlocked(3S)	See **putc**(3S)
putc_unlocked(3S)	See **putc**(3S)
putenv(3C)	change or add value to environment
putmntent(3C)	See **getmntent**(3C)
putp(3X)	See **curs_terminfo**(3X)
putpwent(3C)	write password file entry
puts(3S)	put a string on a stream
putspent(3C)	write shadow password file entry

pututline(3C)	See **getutent**(3C)
pututxline(3C)	See **getutxent**(3C)
putw(3S)	See **putc**(3S)
putwc(3I)	convert Process Code character to EUC and put on a stream
putwchar(3I)	See **putwc**(3I)
putwin(3X)	See **curs_util**(3X)
putws(3I)	convert a string of Process Code characters to EUC characters and put it on a stream
qeconvert(3)	See **econvert**(3)
qfconvert(3)	See **econvert**(3)
qgconvert(3)	See **econvert**(3)
qiflush(3X)	See **curs_inopts**(3X)
qsort(3C)	quick sort
quadruple_to_decimal(3)	See **floating_to_decimal**(3)
rac_drop(3N)	See **rpc_rac**(3N)
rac_poll(3N)	See **rpc_rac**(3N)
rac_recv(3N)	See **rpc_rac**(3N)
rac_send(3N)	See **rpc_rac**(3N)
raise(3C)	send signal to program
rand(3B)	simple random number generator
rand(3C)	simple random-number generator
random(3C)	better random number generator; routines for changing generators
rand_r(3C)	See **rand**(3C)
raw(3X)	See **curs_inopts**(3X)
rcmd(3N)	routines for returning a stream to a remote command
readdir(3B)	read a directory entry
readdir(3C)	See **directory**(3C)
readdir_r(3C)	See **directory**(3C)
read_vtoc(3X)	read and write a disk's VTOC
realloc(3C)	See **malloc**(3C)
realloc(3X)	See **bsdmalloc**(3X)
realloc(3X)	See **malloc**(3X)

realloc(3X)	See **mapmalloc**(3X)
realpath(3C)	returns the real file name
reboot(3C)	reboot system or halt processor
re_comp(3C)	See **regex**(3C)
recv(3N)	receive a message from a socket
recvfrom(3N)	See **recv**(3N)
recvmsg(3N)	See **recv**(3N)
redrawwin(3X)	See **curs_refresh**(3X)
re_exec(3C)	See **regex**(3C)
refresh(3X)	See **curs_refresh**(3X)
regcmp(3G)	compile and execute regular expression
regcomp(3C)	regular expression matching
regerror(3C)	See **regcomp**(3C)
regex(3C)	regular expression handler
regex(3G)	See **regcmp**(3G)
regexec(3C)	See **regcomp**(3C)
regexpr(3G)	regular expression compile and match routines
regfree(3C)	See **regcomp**(3C)
registerrpc(3N)	See **rpc_soc**(3N)
remainder(3M)	See **ieee_functions**(3M)
remove(3C)	remove file
remque(3C)	See **insque**(3C)
replace_panel(3X)	See **panel_window**(3X)
reset_prog_mode(3X)	See **curs_kernel**(3X)
reset_shell_mode(3X)	See **curs_kernel**(3X)
resetty(3X)	See **curs_kernel**(3X)
res_init(3N)	See **resolver**(3N)
res_mkquery(3N)	See **resolver**(3N)
resolver(3N)	resolver routines
res_search(3N)	See **resolver**(3N)
res_send(3N)	See **resolver**(3N)
restartterm(3X)	See **curs_terminfo**(3X)
rewind(3S)	See **fseek**(3S)
rewinddir(3C)	See **directory**(3C)

rexec(3N)	return stream to a remote command
rindex(3C)	See **index**(3C)
rint(3M)	See **floor**(3M)
ripoffline(3X)	See **curs_kernel**(3X)
rmdirp(3G)	See **mkdirp**(3G)
rnusers(3N)	See **rusers**(3N)
rpc(3N)	library routines for remote procedure calls
rpcb_getaddr(3N)	See **rpcbind**(3N)
rpcb_getmaps(3N)	See **rpcbind**(3N)
rpcb_gettime(3N)	See **rpcbind**(3N)
rpcbind(3N)	library routines for RPC bind service
rpcb_rmtcall(3N)	See **rpcbind**(3N)
rpc_broadcast(3N)	See **rpc_clnt_calls**(3N)
rpc_broadcast_exp(3N)	See **rpc_clnt_calls**(3N)
rpcb_set(3N)	See **rpcbind**(3N)
rpcb_unset(3N)	See **rpcbind**(3N)
rpc_call(3N)	See **rpc_clnt_calls**(3N)
rpc_clnt_auth(3N)	library routines for client side remote procedure call authentication
rpc_clnt_calls(3N)	library routines for client side calls
rpc_clnt_create(3N)	library routines for dealing with creation and manipulation of CLIENT handles
rpc_control(3N)	library routine for manipulating global RPC attributes for client and server applications
rpc_createerr(3N)	See **rpc_clnt_create**(3N)
rpc_rac(3N)	remote asynchronous calls
rpc_reg(3N)	See **rpc_svc_reg**(3N)
rpc_soc(3N)	obsolete library routines for RPC
rpc_svc_calls(3N)	library routines for RPC servers
rpc_svc_create(3N)	library routines for the creation of server handles
rpc_svc_err(3N)	library routines for server side remote procedure call errors
rpc_svc_reg(3N)	library routines for registering

	servers
rpc_xdr(3N)	XDR library routines for remote procedure calls
rresvport(3N)	See **rcmd**(3N)
rstat(3N)	get performance data from remote kernel
ruserok(3N)	See **rcmd**(3N)
rusers(3N)	return information about users on remote machines
rwall(3N)	write to specified remote machines
rwlock(3T)	multiple readers, single writer locks
rwlock_destroy(3T)	See **rwlock**(3T)
rwlock_init(3T)	See **rwlock**(3T)
rw_rdlock(3T)	See **rwlock**(3T)
rw_tryrdlock(3T)	See **rwlock**(3T)
rw_trywrlock(3T)	See **rwlock**(3T)
rw_unlock(3T)	See **rwlock**(3T)
rw_wrlock(3T)	See **rwlock**(3T)
savetty(3X)	See **curs_kernel**(3X)
scalb(3C)	See **frexp**(3C)
scalb(3M)	See **ieee_test**(3M)
scalbn(3M)	See **ieee_functions**(3M)
scale_form(3X)	See **form_win**(3X)
scale_menu(3X)	See **menu_win**(3X)
scandir(3B)	scan a directory
scanf(3S)	convert formatted input
scanw(3X)	See **curs_scanw**(3X)
sched_getparam(3R)	See **sched_setparam**(3R)
sched_get_priority_max(3R)	get scheduling parameter limits
sched_get_priority_min(3R)	See **sched_get_priority_max**(3R)
sched_getscheduler(3R)	See **sched_setscheduler**(3R)
sched_rr_get_interval(3R)	See **sched_get_priority_max**(3R)
sched_setparam(3R)	set/get scheduling parameters
sched_setscheduler(3R)	set/get scheduling policy and scheduling parameters
sched_yield(3R)	yield processor

scr_dump(3X)	See **curs_scr_dump**(3X)
scr_init(3X)	See **curs_scr_dump**(3X)
scrl(3X)	See **curs_scroll**(3X)
scroll(3X)	See **curs_scroll**(3X)
scrollok(3X)	See **curs_outopts**(3X)
scr_restore(3X)	See **curs_scr_dump**(3X)
scr_set(3X)	See **curs_scr_dump**(3X)
seconvert(3)	See **econvert**(3)
secure_rpc(3N)	library routines for secure remote procedure calls
seed48(3C)	See **drand48**(3C)
seekdir(3C)	See **directory**(3C)
select(3C)	synchronous I/O multiplexing
sema_destroy(3T)	See **semaphore**(3T)
sema_init(3T)	See **semaphore**(3T)
semaphore(3T)	semaphores
sema_post(3T)	See **semaphore**(3T)
sema_trywait(3T)	See **semaphore**(3T)
sema_wait(3T)	See **semaphore**(3T)
sem_close(3R)	close a named semaphore
sem_destroy(3R)	destroy an unnamed semaphore
sem_getvalue(3R)	get the value of a semaphore
sem_init(3R)	initialize an unnamed semaphore
sem_open(3R)	initialize/open a named semaphore
sem_post(3R)	increment the count of a semaphore
sem_trywait(3R)	See **sem_wait**(3R)
sem_unlink(3R)	remove a named semaphore
sem_wait(3R)	acquire or wait for a semaphore
send(3N)	send a message from a socket
sendmsg(3N)	See **send**(3N)
sendto(3N)	See **send**(3N)
setac(3)	See **getacinfo**(3)
setauclass(3)	See **getauclassent**(3)
setauevent(3)	See **getauevent**(3)
setauuser(3)	See **getauusernam**(3)

setbuf(3S)	assign buffering to a stream
setbuffer(3C)	assign buffering to a stream
setcat(3C)	define default catalog
set_current_field(3X)	See **form_page**(3X)
set_current_item(3X)	See **menu_item_current**(3X)
set_curterm(3X)	See **curs_terminfo**(3X)
set_field_back(3X)	See **form_field_attributes**(3X)
set_field_buffer(3X)	See **form_field_buffer**(3X)
set_field_fore(3X)	See **form_field_attributes**(3X)
set_field_init(3X)	See **form_hook**(3X)
set_field_just(3X)	See **form_field_just**(3X)
set_field_opts(3X)	See **form_field_opts**(3X)
set_field_pad(3X)	See **form_field_attributes**(3X)
set_field_status(3X)	See **form_field_buffer**(3X)
set_field_term(3X)	See **form_hook**(3X)
set_field_type(3X)	See **form_field_validation**(3X)
set_fieldtype_arg(3X)	See **form_fieldtype**(3X)
set_fieldtype_choice(3X)	See **form_fieldtype**(3X)
set_field_userptr(3X)	See **form_field_userptr**(3X)
set_form_fields(3X)	See **form_field**(3X)
set_form_init(3X)	See **form_hook**(3X)
set_form_opts(3X)	See **form_opts**(3X)
set_form_page(3X)	See **form_page**(3X)
set_form_sub(3X)	See **form_win**(3X)
set_form_term(3X)	See **form_hook**(3X)
set_form_userptr(3X)	See **form_userptr**(3X)
set_form_win(3X)	See **form_win**(3X)
setgrent(3C)	See **getgrnam**(3C)
sethostent(3N)	See **gethostbyname**(3N)
sethostname(3C)	See **gethostname**(3C)
set_item_init(3X)	See **menu_hook**(3X)
set_item_opts(3X)	See **menu_item_opts**(3X)
set_item_term(3X)	See **menu_hook**(3X)
set_item_userptr(3X)	See **menu_item_userptr**(3X)
set_item_value(3X)	See **menu_item_value**(3X)

setjmp(3B)	non-local goto
_setjmp(3B)	See **setjmp**(3B)
setjmp(3C)	non-local goto
setkey(3C)	See **crypt**(3C)
setlabel(3C)	define the label for pfmt() and lfmt().
setlinebuf(3C)	See **setbuffer**(3C)
setlocale(3C)	modify and query a program's locale
setlogmask(3)	See **syslog**(3)
set_max_field(3X)	See **form_field_buffer**(3X)
set_menu_back(3X)	See **menu_attributes**(3X)
set_menu_fore(3X)	See **menu_attributes**(3X)
set_menu_format(3X)	See **menu_format**(3X)
set_menu_grey(3X)	See **menu_attributes**(3X)
set_menu_init(3X)	See **menu_hook**(3X)
set_menu_items(3X)	See **menu_items**(3X)
set_menu_mark(3X)	See **menu_mark**(3X)
set_menu_opts(3X)	See **menu_opts**(3X)
set_menu_pad(3X)	See **menu_attributes**(3X)
set_menu_pattern(3X)	See **menu_pattern**(3X)
set_menu_sub(3X)	See **menu_win**(3X)
set_menu_term(3X)	See **menu_hook**(3X)
set_menu_userptr(3X)	See **menu_userptr**(3X)
set_menu_win(3X)	See **menu_win**(3X)
setnetconfig(3N)	See **getnetconfig**(3N)
setnetent(3N)	See **getnetbyname**(3N)
setnetgrent(3N)	See **getnetgrent**(3N)
setnetpath(3N)	See **getnetpath**(3N)
set_new_page(3X)	See **form_new_page**(3X)
set_panel_userptr(3X)	See **panel_userptr**(3X)
setpriority(3C)	See **getpriority**(3C)
setprotoent(3N)	See **getprotobyname**(3N)
setpwent(3C)	See **getpwnam**(3C)
setrpcent(3N)	See **getrpcbyname**(3N)
setscrreg(3X)	See **curs_outopts**(3X)
setservent(3N)	See **getservbyname**(3N)

setsockopt(3N)	See **getsockopt**(3N)
setspent(3C)	See **getspnam**(3C)
setstate(3C)	See **random**(3C)
setsyx(3X)	See **curs_kernel**(3X)
set_term(3X)	See **curs_initscr**(3X)
setterm(3X)	See **curs_terminfo**(3X)
settimeofday(3B)	See **gettimeofday**(3B)
settimeofday(3C)	See **gettimeofday**(3C)
set_top_row(3X)	See **menu_item_current**(3X)
setupterm(3X)	See **curs_terminfo**(3X)
setusershell(3C)	See **getusershell**(3C)
setutent(3C)	See **getutent**(3C)
setutxent(3C)	See **getutxent**(3C)
setvbuf(3S)	See **setbuf**(3S)
sfconvert(3)	See **econvert**(3)
sgconvert(3)	See **econvert**(3)
shm_open(3R)	open a shared memory object
shm_unlink(3R)	remove a shared memory object
show_panel(3X)	See **panel_show**(3X)
shutdown(3N)	shut down part of a full-duplex connection
sig2str(3C)	See **str2sig**(3C)
sigaddset(3C)	See **sigsetops**(3C)
sigblock(3B)	block signals
sigdelset(3C)	See **sigsetops**(3C)
sigemptyset(3C)	See **sigsetops**(3C)
sigfillset(3C)	See **sigsetops**(3C)
sigfpe(3)	signal handling for specific SIGFPE codes
sighold(3C)	See **signal**(3C)
sigignore(3C)	See **signal**(3C)
siginterrupt(3B)	allow signals to interrupt functions
sigismember(3C)	See **sigsetops**(3C)
siglongjmp(3C)	See **setjmp**(3C)
sigmask(3B)	See **sigblock**(3B)
signal(3B)	simplified software signal facilities

signal(3C)	simplified signal management for application processes
significand(3M)	See **ieee_test**(3M)
sigpause(3B)	See **sigblock**(3B)
sigpause(3C)	See **signal**(3C)
sigqueue(3R)	queue a signal to a process
sigrelse(3C)	See **signal**(3C)
sigset(3C)	See **signal**(3C)
sigsetjmp(3C)	See **setjmp**(3C)
sigsetmask(3B)	See **sigblock**(3B)
sigsetops(3C)	manipulate sets of signals
sigstack(3B)	set and/or get signal stack context
sigtimedwait(3R)	See **sigwaitinfo**(3R)
sigvec(3B)	software signal facilities
sigwaitinfo(3R)	wait for queued signals
sin(3M)	See **trig**(3M)
single_to_decimal(3)	See **floating_to_decimal**(3)
sinh(3M)	See **hyperbolic**(3M)
sleep(3B)	suspend execution for interval
sleep(3C)	suspend execution for interval
slk_attroff(3X)	See **curs_slk**(3X)
slk_attron(3X)	See **curs_slk**(3X)
slk_attrset(3X)	See **curs_slk**(3X)
slk_clear(3X)	See **curs_slk**(3X)
slk_init(3X)	See **curs_slk**(3X)
slk_label(3X)	See **curs_slk**(3X)
slk_noutrefresh(3X)	See **curs_slk**(3X)
slk_refresh(3X)	See **curs_slk**(3X)
slk_restore(3X)	See **curs_slk**(3X)
slk_set(3X)	See **curs_slk**(3X)
slk_touch(3X)	See **curs_slk**(3X)
socket(3N)	create an endpoint for communication
socketpair(3N)	create a pair of connected sockets
space(3)	See **plot**(3)
spray(3N)	scatter data in order to test the

	network
sprintf(3B)	See **printf**(3B)
sprintf(3S)	See **printf**(3S)
sqrt(3M)	square root, cube root
srand(3B)	See **rand**(3B)
srand(3C)	See **rand**(3C)
srand48(3C)	See **drand48**(3C)
srandom(3C)	See **random**(3C)
sscanf(3S)	See **scanf**(3S)
ssignal(3C)	software signals
standend(3X)	See **curs_attr**(3X)
standout(3X)	See **curs_attr**(3X)
start_color(3X)	See **curs_color**(3X)
stdio(3S)	standard buffered input/output package
stdipc(3C)	standard interprocess communication package
step(3G)	See **regexpr**(3G)
store(3B)	See **dbm**(3B)
str(3G)	See **strfind**(3G)
str2sig(3C)	translation between signal name and signal number
strcadd(3G)	See **strccpy**(3G)
strcasecmp(3C)	See **string**(3C)
strcat(3C)	See **string**(3C)
strccpy(3G)	copy strings, compressing or expanding escape codes
strchr(3C)	See **string**(3C)
strcmp(3C)	See **string**(3C)
strcoll(3C)	string collation
strcpy(3C)	See **string**(3C)
strcspn(3C)	See **string**(3C)
strdup(3C)	See **string**(3C)
streadd(3G)	See **strccpy**(3G)
strecpy(3G)	See **strccpy**(3G)
strerror(3C)	get error message string

strfind(3G)	string manipulations
strfmon(3C)	convert monetary value to string
strftime(3C)	convert date and time to string
string(3C)	string operations
string_to_decimal(3)	parse characters into decimal record
strlen(3C)	See **string**(3C)
strncasecmp(3C)	See **string**(3C)
strncat(3C)	See **string**(3C)
strncmp(3C)	See **string**(3C)
strncpy(3C)	See **string**(3C)
strpbrk(3C)	See **string**(3C)
strptime(3C)	date and time conversion
strrchr(3C)	See **string**(3C)
strrspn(3G)	See **strfind**(3G)
strsignal(3C)	get error message string
strspn(3C)	See **string**(3C)
strstr(3C)	See **string**(3C)
strtod(3C)	convert string to double-precision number
strtok(3C)	See **string**(3C)
strtok_r(3C)	See **string**(3C)
strtol(3C)	conversion routines
strtoll(3C)	See **strtol**(3C)
strtoul(3C)	See **strtol**(3C)
strtoull(3C)	See **strtol**(3C)
strtrns(3G)	See **strfind**(3G)
strxfrm(3C)	string transformation
subpad(3X)	See **curs_pad**(3X)
subwin(3X)	See **curs_window**(3X)
svc_auth_reg(3N)	See **rpc_svc_reg**(3N)
svc_control(3N)	See **rpc_svc_create**(3N)
svc_create(3N)	See **rpc_svc_create**(3N)
svc_destroy(3N)	See **rpc_svc_create**(3N)
svc_dg_create(3N)	See **rpc_svc_create**(3N)
svc_dg_enablecache(3N)	See **rpc_svc_calls**(3N)

svc_done(3N)	See **rpc_svc_calls**(3N)
svcerr_auth(3N)	See **rpc_svc_err**(3N)
svcerr_decode(3N)	See **rpc_svc_err**(3N)
svcerr_noproc(3N)	See **rpc_svc_err**(3N)
svcerr_noprog(3N)	See **rpc_svc_err**(3N)
svcerr_progvers(3N)	See **rpc_svc_err**(3N)
svcerr_systemerr(3N)	See **rpc_svc_err**(3N)
svcerr_weakauth(3N)	See **rpc_svc_err**(3N)
svc_exit(3N)	See **rpc_svc_calls**(3N)
svcfd_create(3N)	See **rpc_soc**(3N)
svc_fd_create(3N)	See **rpc_svc_create**(3N)
svc_fds(3N)	See **rpc_soc**(3N)
svc_fdset(3N)	See **rpc_svc_calls**(3N)
svc_freeargs(3N)	See **rpc_svc_calls**(3N)
svc_getargs(3N)	See **rpc_svc_calls**(3N)
svc_getcaller(3N)	See **rpc_soc**(3N)
svc_getreq(3N)	See **rpc_soc**(3N)
svc_getreq_common(3N)	See **rpc_svc_calls**(3N)
svc_getreq_poll(3N)	See **rpc_svc_calls**(3N)
svc_getreqset(3N)	See **rpc_svc_calls**(3N)
svc_getrpccaller(3N)	See **rpc_svc_calls**(3N)
svc_kerb_reg(3N)	See **kerberos_rpc**(3N)
svc_pollset(3N)	See **rpc_svc_calls**(3N)
svcraw_create(3N)	See **rpc_soc**(3N)
svc_raw_create(3N)	See **rpc_svc_create**(3N)
svc_reg(3N)	See **rpc_svc_reg**(3N)
svc_register(3N)	See **rpc_soc**(3N)
svc_run(3N)	See **rpc_svc_calls**(3N)
svc_sendreply(3N)	See **rpc_svc_calls**(3N)
svctcp_create(3N)	See **rpc_soc**(3N)
svc_tli_create(3N)	See **rpc_svc_create**(3N)
svc_tp_create(3N)	See **rpc_svc_create**(3N)
svcudp_bufcreate(3N)	See **rpc_soc**(3N)
svcudp_create(3N)	See **rpc_soc**(3N)
svc_unreg(3N)	See **rpc_svc_reg**(3N)

svc_unregister(3N)	See **rpc_soc**(3N)
svc_vc_create(3N)	See **rpc_svc_create**(3N)
swab(3C)	swap bytes
swapcontext(3C)	See **makecontext**(3C)
syncok(3X)	See **curs_window**(3X)
syscall(3B)	indirect system call
sysconf(3C)	get configurable system variables
syslog(3)	control system log
sysmem(3)	return physical memory information
sys_siglist(3B)	See **psignal**(3B)
system(3S)	issue a shell command
t_accept(3N)	accept a connect request
taddr2uaddr(3N)	See **netdir**(3N)
t_alloc(3N)	allocate a library structure
tan(3M)	See **trig**(3M)
tanh(3M)	See **hyperbolic**(3M)
t_bind(3N)	bind an address to a transport end-point
tcdrain(3)	See **termios**(3)
tcflow(3)	See **termios**(3)
tcflush(3)	See **termios**(3)
tcgetattr(3)	See **termios**(3)
tcgetpgrp(3)	See **termios**(3)
tcgetsid(3)	See **termios**(3)
t_close(3N)	close a transport endpoint
t_connect(3N)	establish a connection with another transport user
tcsendbreak(3)	See **termios**(3)
tcsetattr(3)	See **termios**(3)
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