This is an extract from:

A Source Book from The Open Group

The Authorized Guide to the Single UNIX Specification, Version 3

The Open Group

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System Interface Table

This chapter contains a table of all the interfaces defined in XSH, Issue 6, complete with an indication of their status for the XSI extension, the POSIX Base, and their availability in UNIX 98 (denoted by U98), UNIX 95 (denoted by U95), IEEE Std 1003.1-1996 (POSIX.1) (denoted P96), IEEE Std 1003.2-1992 (POSIX.2) (denoted P92), the ISO C standard (denoted C99), C 89, SVID, Issue 3 (denoted by SVID3) and BSD 4.3 (denoted BSD). The following conventions are used in columns 2 through 10:

- **m** Indicates that the interface is defined as mandatory.
- **o** Indicates that the interface is part of an Option or Feature Group.
- **ob** Indicates that the interface is Obsolescent, and although mandatory for the implementation, applications are discouraged from its use.
- In the XSI column, indicates that the interface is part of the Legacy Option Group and need not be available on all implementations.
- opt In the POSIX Base column, two or three letter option codes are used as described in Portability Codes, denoting the option to which the interface belongs.
- r In the P96 column, this indicates that the interface is part of the POSIX Realtime Extension.
- t In the P96 column, this indicates that the interface is part of the POSIX Threads Extension.
- 1 In the C89 column this indicates that the interface is part of the ISO/IEC 9899: 1990 standard.
- Indicates that the interface is not specified.

The table is intended as a quick reference guide for programmers migrating to or developing applications for the Single UNIX Specification, Version 3. Products that brand to a profile may not provide all of the interfaces listed, depending on which Option or Feature Groups are supported.

There are 1122 interfaces listed.

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
FD_CLR()	m	m	m	m					
FD_ISSET()	m	m	m	m					
FD_SET()	m	m	m	m					
FD_ZERO()	m	m	m	m					
_Exit()	m	m				m			
_exit()	m	m	m	m	m			m	m
oxit() longjmp()	m	xsi	m	m					m
_setjmp()	m	xsi	m	m					m
_tolower()	m	xsi	m	m				m .	
_toupper()	m	xsi	m	m				m	-
a64I()	m	xsi	m	m				m	·
abort()	m	m	m	m	m	m	m	m	m
abs()	m	m	m	m	m	m	m	m	m
accept()	m	m	m	m					m
access()	m	m	m	m	m	•	•	m .	m
acos()	m	m	m	m	m	m	m	m	m
acosf()	m	m				m			
acosh()	m	m	m	m	•	m		m .	m
acoshf()	m	m				m			'''
acoshl()	m	m	•	•	•	m		•	.
acosl()	m	m		•	•	m		•	•
aio_cancel()	0	aio	0	•	r			•	•
aio_error()	0	aio	0	•	r	•	•	•	•
aio_fsync()	0	aio	0	•	r	•	•	•	•
aio_read()	0	aio	0	•	r	•	•	•	.
aio_return()	0	aio	0	•	r	•	•	•	•
aio_suspend()	0	aio	0	•	r	•	•	•	•
aio_write()	0	aio	0	•	r		•	•	•
alarm()	m	m	m	m	m	•	•	m ·	m
asctime()	m	m	m	m	m	m	m	m	m
asctime r()	m	tsf	m		t				'''
asin()	m	m	m	m	m	m	m	m ·	m
asinf()	m	m				m	'''		
asinh()	m	m	m	m		m		m .	m
asinhf()	m	m	'''		•	m	•		
asinhl()	m	m	•	•	•	m	•	•	•
asinI()	m	m	•	•	•	m	•	•	•
assert()	m	m	m	m	m	m	m	m .	m .
atan()	m		m	m			m		m
atan2()	m	m m	m	m	m m	m m	m	m m	m
atan2() atan2f()	m	m			111	m		111	'''
atan2I()	m			•	•		•	•	•
atant()	m	m m	•	•	•	m		•	•
atanh()	m	m	m .	m		m		m ·	m l
atanhf()			m	m		m		m	111
atanin()	m	m m	.	•		m			•
atailii()	m	m			•	m		•	·

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
atanl()	m	m				m			
atexit()	m	m	m	m		m	m	m	
atof()	m	m	m	m	m	m	m	m	m
atoi()	m	m	m	m	m	m	m	m	m
atol()	m	m	m	m	m	m	m	m	m
atoll()	m	m	.			m			
basename()	m	xsi	m	m					.
bcmp()	I	xsi	m	m					m
bcopy()	1	xsi	m	m					m
bind()	m	m	m	m					m
bsd_signal()	ob	xsi	m	m					
bsearch()	m	m	m	m	m	m	m	m	
btowc()	m	m	m			m	1		
bzero()	ı	xsi	m	m					m
cabs()	m	m				m			
cabsf()	m	m	.			m			
cabsl()	m	m				m			
cacos()	m	m				m			
cacosf()	m	m				m			
cacosh()	m	m				m			
cacoshf()	m	m	.			m			
cacoshl()	m	m	.			m			
cacosl()	m	m				m			
calloc()	m	m	m	m	m	m	m	m	m
carg()	m	m				m			
cargf()	m	m	.			m			
cargl()	m	m	.			m			
casin()	m	m				m			
casinf()	m	m				m			
casinh()	m	m				m			
casinhf()	m	m				m			
casinhl()	m	m	.			m			
casinl()	m	m				m			
catan()	m	m	.			m			
catanf()	m	m				m			
catanh()	m	m				m			
catanhf()	m	m	.			m			
catanhl()	m	m				m			
catanl()	m	m				m			
catclose()	m	xsi	m	m				m	
catgets()	m	xsi	m	m				m	
catopen()	m	xsi	m	m				m	.
cbrt()	m	m	m	m		m		m	m
cbrtf()	m	m	.			m			.
cbrtl()	m	m				m			
ccos()	m	m				m			

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
ccosf()	m	m				m		_	
ccosh()	m	m				m			
ccoshf()	m	m				m			
ccoshl()	m	m				m			
ccosl()	m	m				m			
ceil()	m	m	m	m	m	m	m	m	m
ceilf()	m	m				m			
ceill()	m	m				m			
cexp()	m	m				m			
cexpf()	m	m				m			
cexpl()	m	m		Ċ		m			·
cfgetispeed()	m	m	m	m	m	l		m	·
cfgetospeed()	m	m	m	m	m			m	·
cfsetispeed()	m	m	m	m	m			m	.
cfsetospeed()	m	m	m	m	m			m	.
chdir()	m	m	m	m	m		•	m	m
chmod()	m	m	m	m	m		•	m	m
chown()	m	m	m	m	m	•	•	m	m
cimag()	m	m				m	•	""	'''
cimag()	m	m	•	•	•	m	•		.
cimagi()	m	m		•	•	m	•		•
clearerr()	m	m	m	m	m	m	m	m .	m l
clock()	m	m	m	m		m	m	m	'''
clock() clock_getcpuclockid()	0				•	'''	'''	111	·
clock_getres()	0	cpt tmr	0	•	r	•	•		-
clock_gettime()	0	tmr	0	•	r	•	•	•	•
clock_gettime() clock_nanosleep()	0	CS		•	'	•	•		•
clock_nariosieep()	0	tmr	0	•	r	•	•		•
clock_settime()	m	m		•		m ·	•	•	•
clog()	m	m		•	•	m			.
clogi()				•	•	m			.
close()	m	m m	· m	· m	· m	m		· m	· m
close() closedir()	m	m m	m	m	m			m	m
closedir() closelog()	m	m xsi	m	m	m			m	m
confetr()	m		m	m	· m				m
confstr()	m	m m	m	m	m	· m			•
conj()	m	m		•	•	m			•
conjf()	m	m m		•	•	m			•
	m	m			•	m	•		.
connect()	m	m m	m	m	•	·			m
copysign()	m	m m	.		•	m			.
copysignf()	m	m m			•	m			.
copysignl()	m	m m	· m	m		m	· m		·
cos()	m	m	m	m	m	m	m	m	m
cosf()	m	m				m			.
cosh()	m	m	m	m	m	m	m	m	m
coshf()	m	m			•	m			<u> </u>

	1	POSIX			P96		<u> </u>		
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
coshl()	m	m				m			
cosl()	m	m				m			
cpow()	m	m				m			
cpowf()	m	m				m			
cpowl()	m	m				m			
cproj()	m	m				m		_	
cprojf()	m	m				m		_	
cprojl()	m	m			_	m			.
creal()	m	m				m			.
crealf()	m	m			_	m			.
creall()	m	m				m			.
creat()	m	m	m	m	m			m	m
crypt()	0	xsi	0	0				m	m
csin()	m	m				m			
csinf()	m	m				m			
csinh()	m	m				m			.
csinhf()	m	m			_	m			.
csinhl()	m	m				m			.
csinI()	m	m				m			.
csqrt()	m	m				m			.
csgrtf()	m	m				m			.
csgrtl()	m	m				m			.
ctan()	m	m				m			.
ctanf()	m	m				m			.
ctanh()	m	m				m			.
ctanhf()	m	m				m			.
ctanhl()	m	m				m			.
ctanl()	m	m				m			.
ctermid()	m	m	m	m	m			m	.
ctime()	m	m	m	m	m	m	m	m	m
ctime_r()	m	tsf	m		t				
daylight	m	xsi	m	m				m	.
dbm_clearerr()	m	xsi	m	m					
dbm_close()	m	xsi	m	m					.
dbm_delete()	m	xsi	m	m					
dbm_error()	m	xsi	m	m					.
dbm_fetch()	m	xsi	m	m					
dbm_firstkey()	m	xsi	m	m					.
dbm_nextkey()	m	xsi	m	m					.
dbm_open()	m	xsi	m	m					.
dbm_store()	m	xsi	m	m					.
difftime()	m	m	m	m		m	m	m	.
dirname()	m	xsi	m	m					.
div()	m	m	m	m		m	m	m	.
dlclose()	m	xsi	m						.
dlerror()	m	xsi	m						.

Interface			POSIX			P96				
dlsym() m xsi m .	Interface	XSI		U98	U95		C99	C89	SVID3	BSD
dlsym() m xsi m .	dlopen()	m	xsi	m						
drand48() m xsi m m . . . m m m m m m m m m m m . . . m m . . m m . . . m m m <th< td=""><td></td><td>m</td><td></td><td>m</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		m		m						
dup() m <td></td> <td>m</td> <td>xsi</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td>. </td>		m	xsi	m	m				m	.
dup2() m <td></td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td>m</td> <td>m</td>		m	m	m	m	m			m	m
ecvt()		m	m	m	m	m			m	m
encrypt()		ı	xsi	m	m					m
endhostent() m <t< td=""><td></td><td>0</td><td>xsi</td><td>О</td><td>0</td><td></td><td></td><td></td><td>m</td><td>m</td></t<>		0	xsi	О	0				m	m
endhostent() m <t< td=""><td>endgrent()</td><td>m</td><td>xsi</td><td>m</td><td>m</td><td></td><td></td><td></td><td>m</td><td>m</td></t<>	endgrent()	m	xsi	m	m				m	m
endprotoent() m m m m m m m c. . . m m endpwent() m m xsi m m m m endexivent() m m m m m .		m	m	m	m					m
endpwent() m xsi m m . . . m m endutxent() m m m m . . . m m environ m m m m m . . . m eff() m m m m . . m m erf() m m m m . . m m erf() m m m m . . . m erfc() m m m erfc() m m erff() m m erff() m m m m m . . . erf() m m </td <td>endnetent()</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td></td> <td>m</td>	endnetent()	m	m	m	m					m
endpwent() m xsi m m . . . m m endutxent() m m m m . . . m m environ m m m m m . . . m eff() m m m m . . m m erf() m m m m . . m m erf() m m m m . . . m erfc() m m m erfc() m m erff() m m erff() m m m m m . . . erf() m m </td <td>endprotoent()</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td></td> <td>m</td>	endprotoent()	m	m	m	m					m
endutxent() m xsi m n . <	endpwent()	m	xsi	m	m				m	m
environ m </td <td>endservent()</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td></td> <td>m</td>	endservent()	m	m	m	m					m
erand48() m xsi m m . . . m m . . . m m m m m m . . . m m m m . . . m m m m . <th< td=""><td>endutxent()</td><td>m</td><td>xsi</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td><td>. </td></th<>	endutxent()	m	xsi	m	m					.
erf() m <td>environ</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td>m</td> <td>m</td>	environ	m	m	m	m	m			m	m
erfc() m <td>erand48()</td> <td>m</td> <td>xsi</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td>. </td>	erand48()	m	xsi	m	m				m	.
erfc() m <td>erf()</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td>m</td> <td></td> <td>m</td> <td>m</td>	erf()	m	m	m	m		m		m	m
erfcf() m m . . . m . </td <td></td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td>m</td> <td></td> <td>m</td> <td>m</td>		m	m	m	m		m		m	m
erfcl() m m . . . m . </td <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td>. </td>		m	m				m			.
erff() m m . . . m . <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td>. </td>		m	m				m			.
erff() m m . <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td>. </td>		m	m				m			.
errno m <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td>. </td>		m	m				m			.
execle() m<		m	m	m	m	m	m	m	m	m
execle() m<	execl()	m	m	m	m	m			m	m
execlp() m<		m	m	m	m	m			m	m
execv() m </td <td></td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td>m</td> <td>m</td>		m	m	m	m	m			m	m
execve() m<		m	m	m	m	m			m	m
execvp() m<		m	m	m	m	m			m	m
exp() m n <td>execvp()</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td>m</td> <td>m</td>	execvp()	m	m	m	m	m			m	m
exp2() m m m . . . m . <td>exit()</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td>	exit()	m	m	m	m	m	m	m	m	m
exp2() m m m . . . m . <td>exp()</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td>	exp()	m	m	m	m	m	m	m	m	m
exp2I() m m . . . m . </td <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td>. </td>		m	m				m			.
expf() m m . <td>exp2f()</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td></td>	exp2f()	m	m				m			
expf() m m . <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td></td>		m	m				m			
expl() m m m . . . m . <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td></td>		m	m				m			
expm1() m m m m m . . . m m . </td <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td>. </td>		m	m				m			.
expm1I() m m .<		m	m	m	m		m			m
fabs() m . <td>expm1f()</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td></td>	expm1f()	m	m				m			
fabs() m . <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td></td>		m	m				m			
fabsf() m m . </td <td></td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td> <td>m</td>		m	m	m	m	m	m	m	m	m
fabsl() m m . . . m . </td <td></td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td>m</td> <td></td> <td></td> <td> . </td>		m	m				m			.
fattach() o xsr m m . . . m . fchdir() m xsi m m . . . m . fchmod() m m m m m m m		m	m				m			.
fchdir() m xsi m m . . . m m fchmod() m m m m . . . m m		0	xsr	m	m				m	.
fchmod()		m	xsi	m	m				m	.
		m		m	m					m
		m	m	m	m				m	m

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
fclose()	m	m	m	m	m	m	m	m	m
fcntl()	m	m	m	m	m			m	m
fcvt()	- 1	xsi	m	m					m
fdatasync()	0	sio	0		r				
fdetach()	0	xsr	m	m				m	
fdim()	m	m				m			
fdimf()	m	m				m			
fdiml()	m	m				m			
fdopen()	m	m	m	m	m			m	m
feclearexcept()	m	m				m			
fegetenv()	m	m				m			
fegetexceptflag()	m	m				m			
fegetround()	m	m				m			
feholdexcept()	m	m				m			
feof()	m	m	m	m	m	m	m	m	m
feraiseexcept()	m	m				m			
ferror()	m	m	m	m	m	m	m	m	m
fesetenv()	m	m			_	m			
fesetexceptflag()	m	m				m			
fesetround()	m	m				m			
fetestexcept()	m	m				m			
feupdateenv()	m	m				m			
fflush()	m	m	m	m	m	m	m	m	m
ffs()	m	xsi	m	m					m
fgetc()	m	m	m	m	m	m	m	m	m
fgetpos()	m	m	m	m		m	m	m	'''
fgets()	m	m	m	m	m	m	m	m	m
fgetwc()	m	m	m	m		m	1		
fgetws()	m	m	m	m		m	1		'
fileno()	m	m	m	m	m			m .	m
flockfile()	m	tsf	m		t				'''
floor()	m	m	m	m	m	m	m	m	m
floorf()	m	m			l '''	m	l		
floorI()	m	m				m		_	
fma()	m	m	•	·	•	m	•		.
fmaf()	m	m			•	m	•	•	.
fmal()	m	m	•	·		m	•		.
fmax()	m	m	•	·	•	m	•		·
fmaxf()	m	m	•	·		m	·	•	'
fmaxl()	m	m				m			
fmin()	m	m		•		m	•		•
fminf()	m	m		•	•	m			•
fminl()	m	m		•	•	m			•
fmod()	m	m	m	m	m	m	m	m ·	.
fmod()	m	m	'''	111	'''	m		'''	•
fmod()	m	m		•	•	m	•		.
inioui()	111	111			•	1111	•	<u> </u>	

<u> </u>	1	POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
fmtmsg()	m	xsi	m	m				m	
fnmatch()	m	m	m	m	m				•
fopen()	m	m	m	m	m	m	m	m .	m
fork()	m	m	m	m	m			m	m
fpathconf()	m	m	m	m	m	•		m	'''
fpclassify()	m	m				m	•		•
fprintf()	m	m	m .	m	m	m	m	m ·	m .
fputc()	m	m	m	m	m	m	m	m	m
fputs()	m	m	m	m	m	m	m	m	m
fputwc()	m	m	m	m		m	1 1		'''
fputws()	m		m	m	•	m	1	•	•
fread()	m	m m	m	m	m	m	m	m .	m
free()		m m							
free() freeaddrinfo()	m	m	m	m	m	m	m	m	m
\ ' <i>'</i>	m	m m						· m	
freopen()	m	m	m	m	m	m	m	m	m
frexp()	m	m	m	m	m	m	m	m	m
frexpf()	m	m			•	m		•	•
frexpl()	m	m				m			
fscanf()	m	m	m	m	m	m	m	m	m
fseek()	m	m	m	m	m	m	m	m	m
fseeko()	m	m	m		•				•
fsetpos()	m	m	m	m		m	m	m	
fstat()	m	m	m	m	m			m	m
fstatvfs()	m	xsi	m	m	•			m	•
fsync()	m	fsc	m	m				m	m
ftell()	m	m	m	m	m	m	m	m	m
ftello()	m	m 	m	•	•				.
ftime()		xsi	m	m	•				m
ftok()	m	xsi	m	m	•				•
ftruncate()	m	m	m	m					•
ftrylockfile()	m	tsf	m		t				
ftw()	m	xsi	m	m				m	
funlockfile()	m	tsf	m		t	•			
fwide()	m	m	m		•	m	1		
fwprintf()	m	m	m	•	•	m	1		.
fwrite()	m	m	m	m	m	m	m	m	m
fwscanf()	m	m	m		•	m	1		
gai_strerror()	m	m							•
gcvt()	I	xsi	m	m					m
getaddrinfo()	m	m							•
getc()	m	m	m	m	m	m	m	m	m
getc_unlocked()	m	tsf	m		t				•
getchar()	m	m	m	m	m	m	m	m	m
getchar_unlocked()	m	tsf	m		t				•
getcontext()	m	xsi	m	m				m	•
getcwd()	m	m	m	m	m			m	<u> </u>

	<u> </u>	POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
getdate()	m	xsi	m	m				m	
getegid()	m	m	m	m	m			m	m
getenv()	m	m	m	m	m	m	m	m	m
geteuid()	m	m	m	m	m			m	m
getgid()	m	m	m	m	m			m	m
getgrent()	m	xsi	m	m				m	m
getgrgid()	m	m	m	m	m			m	m
getgrgid_r()	m	tsf	m		t				.
getgrnam()	m	m	m	m	m			m	.
getgrnam_r()	m	tsf	m		t				
getgroups()	m	m	m	m	m			m	m
gethostbyaddr()	ob	ob	m	m					m
gethostbyname()	ob	ob	m	m					m
gethostent()	m	m	m	m					m
gethostid()	m	xsi	m	m					m
gethostname()	m	m	m	m					m
getitimer()	m	xsi	m	m				m	m
getlogin()	m	m	m	m	m			m	m
getlogin_r()	m	tsf	m		t				
getmsg()	0	xsr	m	m				m	
getnameinfo()	m	m							.
getnetbyaddr()	m	m	m	m					m
getnetbyname()	m	m	m	m					m
getnetent()	m	m	m	m					m
getopt()	m	m	m	m	m			m	m
getpeername()	m	m	m	m					m
getpgid()	m	xsi	m	m				m	.
getpgrp()	m	m	m	m	m			m	m
getpid()	m	m	m	m	m			m	m
getpmsg()	0	xsr	m	m				m	
getppid()	m	m	m	m	m			m	m
getpriority()	m	xsi	m	m					m
getprotobyname()	m	m	m	m					m
getprotobynumber()	m	m	m	m					m
getprotoent()	m	m	m	m					m
getpwent()	m	xsi	m	m				m	m
getpwnam()	m	m	m	m	m			m	m
getpwnam_r()	m	tsf	m		t				.
getpwuid()	m	m	m	m	m			m	m
getpwuid_r()	m	tsf	m		t				.
getrlimit()	m	xsi	m	m				m	m
getrusage()	m	xsi	m	m					m
gets()	m	m	m	m	m	m	m	m	m
getservbyname()	m	m	m	m					m
getservbyport()	m	m	m	m					m
getservent()	m	m	m	m					m

Interface XSI Base U98 U95 P92 C99 C89 SVID3 BSD getsid() m			POSIX			P96				
getsid() m xsi m m . . . m m .	Interface	XSI		U98	U95		C99	C89	SVID3	BSD
getsockname() m m m m m m m c c c c m m m m c c c m m m c c c m m m c c c m m c c c m m c c c m m c c c m m c c c m c c c m m c c c m <										
getsuckopt()						•				m
getsubop(t)	1 0					·	•		•	
getimorlday()						•	•			
getuid() m<							•			m m
getutxent() m xsi m m . <							•			
getutxid() m xsi m m . <t< td=""><td></td><td></td><td></td><td>i .</td><td></td><td></td><td></td><td></td><td></td><td> ''' </td></t<>				i .						'''
getutxline() m xsi m m .						•				.
getwc() m m m m m m 1 . </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>. </td>									•	.
getwchar() m m m m m d	= \ \'								•	•
Setwd()									•	-
glob()		111		i			'''		•	·
globfree()		m					•		•	'''
gmtime() m<					_			•	•	•
gmtime_r() m tsf m t . <t< td=""><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td>. </td></t<>					_					.
grantpt() m xsi m m . . m . . m . . m . <th< td=""><td>1 0</td><td></td><td></td><td>!</td><td></td><td></td><td>1111</td><td>1111</td><td>111</td><td> ''' </td></th<>	1 0			!			1111	1111	111	'''
h_ermo ob ob	_ (,	i		i i		ι			· .	
hcreate() m xsi m m . . m . . m . . m . . m . . m . . m . . m . . m m . . . m m . . . m m . . . m . . . m . . . m m . <th< td=""><td></td><td></td><td></td><td>111</td><td>111</td><td>•</td><td></td><td></td><td>111</td><td>•</td></th<>				111	111	•			111	•
hdestroy() m xsi m m . . m . . m . . m m . . m m . . . m m . . . m m . . . m m . . . m m . . . m m . . . m m . . . m m . . . m m . . . m m . <t< td=""><td></td><td></td><td></td><td></td><td></td><td>•</td><td>•</td><td>•</td><td></td><td>- </td></t<>						•	•	•		-
hsearch() m xsi m m . . m . . m m . . . m m m m m . . . m m m m . . . m m m . . . m m . . . m m m m m m . <th< td=""><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td>- </td></th<>						•				-
htonl() m </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td>. </td>						•				.
htons() m </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td>m</td> <td>. </td>						•			m	.
hypot() m </td <td></td> <td></td> <td></td> <td> </td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td>						•				
hypotf() m m m .<	1					•	•			
hypotl() m m m .<				m	m				m	m
iconv() m xsi m m .										-
iconv_close() m xsi m m .							m			-
iconv_open() m xsi m m .	1									-
if_freenameindex() m m .										
if_indextoname() m m .				m	m					
if_nameindex() m m .	1 = ''									•
if_nametoindex() m n		m	m							.
ilogb() m m m m m m . </td <td>1 - 0</td> <td>m</td> <td>m</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1 - 0	m	m							
ilogbf() m m . . . m .<	_ · · · · · · · · · · · · · · · · · · ·	m	m							
ilogbl() m m . . . m .<				m	m					-
imaxabs() m m . . . m .		m	m				m			-
imaxdiv() m m .		m	m				m			-
index() I xsi m m . . . m m inet_addr() m m m m m m inet_ntop() m m .		m	m				m			-
inet_addr() m <th< td=""><td></td><td>m</td><td></td><td></td><td></td><td></td><td>m</td><td></td><td></td><td></td></th<>		m					m			
inet_ntoa() m m m m . <th< td=""><td></td><td>ı</td><td>xsi</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td><td>m</td></th<>		ı	xsi	m	m					m
inet_ntop() m m . <th< td=""><td></td><td>m</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td><td>m</td></th<>		m	m	m	m					m
inet_pton() m m . <th< td=""><td></td><td>m</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td><td>m</td></th<>		m	m	m	m					m
initstate() m xsi m m m		m	m							.
insque() m xsi m m m		m	m	.						.
	initstate()	m	xsi	m	m					m
	insque()	m	xsi	m	m					m
	ioctl()	0	xsr	m	m				m	m

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
isalnum()	m	m	m	m	m	m	m	m	m
isalpha()	m	m	m	m	m	m	m	m	m
isascii()	m	xsi	m	m				m	m
isastream()	0	xsr	m	m				m	.
isatty()	m	m	m	m	m			m	m
isblank()	m	m	.			m			.
iscntrl()	m	m	m	m	m	m	m	m	m
isdigit()	m	m	m	m	m	m	m	m	m
isfinite()	m	m				m			.
isgraph()	m	m	m	m	m	m	m	m	m
isgreater()	m	m				m			.
isgreaterequal()	m	m	.			m			.
isinf()	m	m				m			
isless()	m	m	.			m			
islessequal()	m	m				m			
islessgreater()	m	m	.			m			
islower()	m	m	m	m	m	m	m	m	m
isnan()	m	m	m	m				m	
isnormal()	m	m				m			
isprint()	m	m	m	m	m	m	m	m	m
ispunct()	m	m	m	m	m	m	m	m	m
isspace()	m	m	m	m	m	m	m	m	m
isunordered()	m	m				m			
isupper()	m	m	m	m	m	m	m	m	m
iswalnum()	m	m	m	m		m	1		
iswalpha()	m	m	m	m		m	1		
iswblank()	m	m	.			m			
iswcntrl()	m	m	m	m		m	1		
iswctype()	m	m	m	m		m	1		
iswdigit()	m	m	m	m		m	1		
iswgraph()	m	m	m	m		m	1		
iswlower()	m	m	m	m		m	1		.
iswprint()	m	m	m	m		m	1		
iswpunct()	m	m	m	m		m	1		
iswspace()	m	m	m	m		m	1		
iswupper()	m	m	m	m		m	1		
iswxdigit()	m	m	m	m		m	1		.
isxdigit()	m	m	m	m	m	m	m	m	m
<i>jO</i> ()	m	xsi	m	m				m	m
<i>j</i> 1()	m	xsi	m	m				m	m
jn()	m	xsi	m	m				m	m
jrand48()	m	xsi	m	m				m	.
kill()	m	m	m	m	m			m	m
killpg()	m	xsi	m	m					m
<i>l64a()</i>	m	xsi	m	m				m	.
labs()	m	m	m	m		m	m	m	

		POSIX			P96		<u> </u>		
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
Ichown()	m	xsi	m	m				m	
lcong48()	m	xsi	m	m				m	
Idexp()	m	m	m	m	m	m	m	m	m
Idexpf()	m	m				m			
Idexpl()	m	m				m			.
Idiv()	m	m	m	m		m	m	m	
Ifind()	m	xsi	m	m		l		m	.
Igamma()	m	m	m	m		m		m	m
Igammaf()	m	m				m	:		
Igammal()	m	m				m			•
link()	m	m	m	m	m			m .	m
lio_listio()	0	aio	0		r	•			
listen()	m	m	m	m		•	•	•	m
llabs()	m	m			•	m	•		'''
Ildiv()	m	m			•	m	•	•	-
Ilrint()	m	m	•		•	m	•	•	•
Ilrint()	m	m	•			i	•	•	
Ilrintl()			•	•	•	m	•	•	•
Ilround()	m	m	•	•	•	m	•		.
Ilroundf()	m	m		•	•	m	•		.
Ilroundl()	m	m			•	m	•		-
	m	m				m			-
localeconv()	m	m	m	m		m	m	m	
localtime()	m	m	m	m	m	m	m	m	m
localtime_r()	m	tsf	m		t		•		-
lockf()	m	xsi	m	m				m	•
log()	m	m	m	m	m	m	m	m	m
log10()	m	m	m	m	m	m	m	m	m
log10f()	m	m				m	•		
log10l()	m	m	•	•		m	•		•
log1p()	m	m	m	m		m			m
log1pf()	m	m				m			-
log1pl()	m	m				m			-
log2()	m	m				m			
log2f()	m	m				m			-
log2l()	m	m				m			
logb()	m	m	m	m		m		m	m
logbf()	m	m				m			.
logbl()	m	m				m			
logf()	m	m				m			
logI()	m	m				m			.
longjmp()	m	m	m	m	m	m	m	m	m
Irand48()	m	xsi	m	m				m	.
Irint()	m	m				m			.
Irintf()	m	m				m			.
Irintl()	m	m				m			.
Iround()	m	m				m			

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
Iroundf()	m	m				m			
Iroundl()	m	m				m			
Isearch()	m	xsi	m	m				m	
Iseek()	m	m	m	m	m			m	m
Istat()	m	m	m	m				m	m
makecontext()	m	xsi	m	m					
malloc()	m	m	m	m	m	m	m	m	m
mblen()	m	m	m	m	l	m	m	m	
mbrlen()	m	m	m			m	1		
mbrtowc()	m	m	m			m	1		
mbsinit()	m	m	m			m	1		
mbsrtowcs()	m	m	m			m	1		
mbstowcs()	m	m	m	m		m	m	m	.
mbtowc()	m	m	m	m		m	m	m	.
memccpy()	m	xsi	m	m				m	•
memchr()	m	m	m	m		m	m	m	•
memcmp()	m	m	m	m		m	m	m	•
memcpy()	m	m	m	m		m	m	m	
memmove()	m	m	m	m		m	m	m	.
memset()	m	m	m	m		m	m	m	
mkdir()	m	m	m	m	m			m	m
mkfifo()	m	m	m	m	m			m	
mknod()	m	xsi	m	m				m	m
mkstemp()	m	xsi	m	m	•				m
mktemp()	'''	xsi	m	m	•	•		m ·	m
mktime()	m	m	m	m	m	m .	m	m	
mlock()	0	mr	0		r				•
mlockall()	0	ml	0		r			•	
mmap()	m	mf shm tym	m	m	:			m .	•
modf()	m	m	m	m	m	m	m	m	m
modf()	m	m				m			
modfl()	m	m				m			.
mprotect()	m	mpr	m	m				m	
mq_close()	0	msg	0		r				
mq_getattr()	0	msg	0		r				
mq_notify()	0	msg	0		r				
mq_open()	0	msg	0		r				
mq_receive()	0	msg	0		r			_	
mq_send()	0	msg	0		r			_	
mq_setattr()	0	msg	0		r			_	
mq_timedreceive()	0	msg							
mq_timedsend()	0	msg							.
mq_unlink()	0	msg	0		r				
mrand48()	m	xsi	m	m				m	.
msgctl()	m	xsi	m	m				m	.
msgget()	m	xsi	m	m				m	.

		POSIX			P96				
Interface	XSI	Base	U98	U95	ı	C99	C89	SVID3	BSD
msgrcv()	m	xsi	m	m				m	
msgsnd()	m	xsi	m	m	•			m	.
msync()	m	mf sio	m	m				m	
munlock()	0	mr	0		r				
munlockall()	0	ml	0		r				
munmap()	m	mf shm tym	m	m				m .	
nan()	m	m				m			
nanf()	m	m				m			•
nanl()	m	m				m	:	•	
nanosleep()	0	tmr	0		r	'''		•	.
nearbyint()	m	m			•	m	•	•	
nearbyintf()	m	m	•	•	•	m	•	•	
nearbyintl()	m	m			•	m	•	•	.
nextafter()	m	m	m	m	•	m	•	m ·	.
nextafter()	m	m			•	m	•		.
nextafter()	m	m	•		•	m	•	•	
nexttoward()	m	m			•	i	•	•	•
nexttoward()	m	m	•		•	m	•	•	.
nexttowardi()		m	.	•	•	m	•	•	•
nftw()	m	xsi	· m	· m	•	m	•	· m	•
nice()	m	xsi	m	m	•	•	•	m	' m
nl_langinfo()	m	xsi	m	m				m	m
nrand48()	m	xsi	m	m	•	•	•	m	.
	m		m	m	•	•	•	m	<u>.</u>
ntohl()	m	m	m	m	•	•	•	•	m
ntohs()	m	m	m	m		•		· m	m
open()	m	m	m	m	m		•	m	m
opendir()	m	m voi	m	m	m	•	•	m	m
openlog()	m	xsi	m	m		•	•	· m	m
optarg	m	m	m	m	m	•	•	m	m
opterr	m	m	m	m	m	•	•	m	m
optind	m	m	m	m	m			m	m
optopt	m	m	m	m	m	•	•	m	m
pathconf()	m	m	m	m	m	•	•	m	
pause()	m	m	m	m	m	•	•	m	m
pclose()	m	m	m	m	m			m	m
perror()	m	m	m	m	m	m	m	m	m
pipe()	m	m	m	m	m			m	m
poll()	m	xsi	m	m				m	
popen()	m	m	m	m	m		•	m	m
posix_fadvise()	0	adv	•						•
posix_fallocate()	0	adv	•						•
posix_madvise()	0	adv	•		•				•
posix_mem_offset()	0	tym	•						•
posix_memalign()	0	adv	•		•		•		•
posix_openpt()	m	xsi	.						•
posix_spawn()	0	spn	<u> </u>			<u> </u>	<u> </u>	•	·

		POSIX	<u> </u>		P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
posix_spawn_file_actions_addclose()	0	spn							
posix_spawn_file_actions_adddup2()	0	spn	١.						١. ا
posix_spawn_file_actions_addopen()	0	spn	١.						
posix_spawn_file_actions_destroy()	0	spn	١.						
posix_spawn_file_actions_init()	0	spn						_	
posix_spawnattr_destroy()	0	spn						_	
posix_spawnattr_getflags()	0	spn							
posix_spawnattr_getpgroup()	0	spn						_	
posix_spawnattr_getschedparam()	0	spn ps	-	-	· •	·	· ·	<u>-</u>	-
posix_spawnattr_getschedpolicy()	0	spn ps		•	. ·		· •	•	
posix_spawnattr_getsigdefault()	0	spn	•	•	•	•	•	•	
posix_spawnattr_getsigmask()	0	spn		•	•	•	•	•	•
posix_spawnattr_init()	0	spn	•	•	•	•	•	·	.
posix_spawnattr_setflags()	0	spn		•	•	•	•	•	
posix_spawnattr_setnags() posix_spawnattr_setpgroup()	0	spn		•	•	•	•	•	
posix_spawnattr_setschedparam()				•	•	•	•	•	
posix_spawnattr_setschedpolicy()	0	spn ps		•	•	•	•	•	
1	0	spn ps		•	•	•	•	•	
posix_spawnattr_setsigdefault()	0	spn	•	•	•	•	•	•	
posix_spawnattr_setsigmask()	0	spn		•	•	•	•		•
posix_spawnp()	0	spn						•	
posix_trace_attr_destroy()	0	trc						•	
posix_trace_attr_getclockres()	0	trc							
posix_trace_attr_getcreatetime()	0	trc						•	
posix_trace_attr_getgenversion()	0	trc	-		•	•	•	•	
posix_trace_attr_getinherited()	0	trc tri							
posix_trace_attr_getlogfullpolicy()	0	trc trl							
posix_trace_attr_getlogsize()	0	trc trl							
posix_trace_attr_getmaxdatasize()	0	trc							
posix_trace_attr_getmaxsystemeventsize()	0	trc							
posix_trace_attr_getmaxusereventsize()	0	trc							
posix_trace_attr_getname()	0	trc	-						١.
posix_trace_attr_getstreamfullpolicy()	0	trc							
posix_trace_attr_getstreamsize()	0	trc							
posix_trace_attr_init()	0	trc							
posix_trace_attr_setinherited()	0	trc tri							
posix_trace_attr_setlogfullpolicy()	0	trc trl							١.
posix_trace_attr_setlogsize()	0	trc trl							
posix_trace_attr_setmaxdatasize()	0	trc	.						١.
posix_trace_attr_setname()	0	trc	١.						١.
posix_trace_attr_setstreamfullpolicy()	0	trc							١.
posix_trace_attr_setstreamsize()	0	trc		
posix_trace_clear()	0	trc			-	.	.	_	
posix_trace_close()	0	trc trl			.			_	
posix_trace_create()	0	trc			•	.	.		
posix_trace_create_withlog()	0	trc trl			.				
posix_trace_event()	0	trc	'						
			 _	<u> </u>	<u> </u>	<u> </u>	· ·	· · · · · ·	

		POSIX			P96				
Interface	XSI	Base	U98	U95	1	C99	C89	SVID3	BSD
posix_trace_eventid_equal()	0	trc				-		01120	
posix_trace_eventid_get_name()	0	trc	•	•	•	•		•	
posix_trace_eventid_open()	0	trc	•	•	•	•	•	•	.
posix_trace_eventset_add()	0	trc tef	•	•	•	•	•	•	•
posix_trace_eventset_del()	0	tro tef	•	•	•	•	•	•	
posix_trace_eventset_empty()	0	tro tef	•	•	•	•	•	•	.
posix_trace_eventset_fill()	0	tro tef	•	•	•	•	•	•	.
posix_trace_eventset_ismember()	0	trc tef	•	•	•	•	•	•	.
posix_trace_eventtypelist_getnext_id()	0	trc	•	•	•	•	•	•	
posix_trace_eventtypelist_rewind()	0	trc	•	•	•	•	•	•	.
posix_trace_flush()	0	trc trl	•	•	•	•	•	•	
posix_trace_get_attr()	0	trc	•	•	•	•	•	•	
posix_trace_get_filter()	0	trc tef	•	•	•		•	•	.
posix_trace_get_status()	0	trc		•	•	•		•	•
posix_trace_get_status() posix_trace_getnext_event()	0	trc	•	•	•	•	•	•	
posix_trace_getriext_everit() posix_trace_open()	0	trc trl	•	•	•	•	•	•	•
posix_trace_open() posix_trace_rewind()	0	tre trl	•	•	•	•	•	•	•
posix_trace_rewind() posix_trace_set_filter()	0	trc tef	•	•	•	•		•	•
posix_trace_set_inter() posix_trace_shutdown()	_	trc	•	•	•			•	•
1 *	0			•	•	•		•	•
posix_trace_start()	0	trc	•	•	•	•		•	
posix_trace_stop()	0	trc trc tmo	•	•	•			•	.
posix_trace_timedgetnext_event()	0		•	•	•	•		•	•
posix_trace_trid_eventid_open()	0	trc tef	•	•	•	•	•		.
posix_trace_trygetnext_event()	0	trc	•	•	•	•	•		.
posix_typed_mem_get_info()	0	tym	•	•	•	•			.
posix_typed_mem_open()	0	tym							
pow()	m	m	m	m	m	m	m	m	m
powf()	m	m	•		•	m			•
powl()	m	m		•	•	m			•
pread()	m	xsi	m						
printf()	m	m	m	m	m	m	m	m	m
pselect()	m	m Han						•	.
pthread_atfork()	m	thr	m		t	•			•
pthread_attr_destroy()	m	thr	m		t			•	
pthread_attr_getdetachstate()	m	thr	m		τ			•	
pthread_attr_getguardsize()	m	XSi	m					•	
pthread_attr_getinheritsched()	0	thr tps	0		t				
pthread_attr_getschedparam()	m	thr	m		t				
pthread_attr_getschedpolicy()	0	thr tps	0		t				
pthread_attr_getscope()	0	thr tps	0		t				
pthread_attr_getstack()	m	thr tsa tss	•						
pthread_attr_getstackaddr()	m	thr tsa	m		t				
pthread_attr_getstacksize()	m	thr tss	m		t				
pthread_attr_init()	m	thr	m		t				.
pthread_attr_setdetachstate()	m	thr	m		t				•
pthread_attr_setguardsize()	m	xsi	m			<u> </u>			

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
pthread_attr_setinheritsched()	0	thr tps	0		t				
pthread_attr_setschedparam()	m	thr	m		t				
pthread_attr_setschedpolicy()	0	thr tps	0		t				
pthread_attr_setscope()	0	thr tps	0		t				
pthread_attr_setstack()	m	thr tsa tss							
pthread_attr_setstackaddr()	m	thr tsa	m		t				
pthread_attr_setstacksize()	m	thr tss	m	-	t	-	-		-
pthread_barrier_destroy()	0	thr bar	'.'	•	`	•	•		•
pthread_barrier_init()	0	thr bar		•	•	•	•		•
pthread_barrier_wait()	0	thr bar		•	•	•	•	•	•
pthread_barrierattr_destroy()	0	thr bar		•	•	•	•	•	•
pthread_barrierattr_getpshared()	0	thr bar tsh	•	•	•	•	•	•	•
pthread_barrierattr_init()	0	thr bar	•	•	•	•	•		•
pthread_barrierattr_setpshared()	0	thr bar tsh		•	•				•
pthread_cancel()	m	thr	m	•	t		•	•	•
pthread_cleanup_pop()	m	thr	m	•	t	•	•		•
pthread_cleanup_pop() pthread_cleanup_push()	i	thr	m	•	t	•	•	•	•
pthread_cleanup_push() pthread_cond_broadcast()	m	thr		•	t				•
pthread_cond_broadcast() pthread_cond_destroy()	m	thr	m	•	t				.
	m		m	•					•
pthread_cond_init()	m	thr	m	•	t	•	•		
pthread_cond_signal()	m	thr	m		t				•
pthread_cond_timedwait()	m	thr	m		t				•
pthread_cond_wait()	m	thr	m	•	t				•
pthread_condattr_destroy()	m	thr	m	•	t				•
pthread_condattr_getclock()	0	thr cs							-
pthread_condattr_getpshared()	m	thr tsh	m		t				
pthread_condattr_init()	m	thr	m		t				-
pthread_condattr_setclock()	0	thr cs							
pthread_condattr_setpshared()	m	thr tsh	m		t				
pthread_create()	m	thr	m		t				.
pthread_detach()	m	thr	m		t				.
pthread_equal()	m	thr	m		t				
pthread_exit()	m	thr	m		t				
pthread_getconcurrency()	m	xsi	m						
pthread_getcpuclockid()	0	thr tct							
pthread_getschedparam()	0	thr tps	0		t				
pthread_getspecific()	m	thr	m		t				
pthread_join()	m	thr	m		t				
pthread_key_create()	m	thr	m		t				
pthread_key_delete()	m	thr	m		t				
pthread_kill()	m	thr	m		t				
pthread_mutex_destroy()	m	thr	m		t				.
pthread_mutex_getprioceiling()	0	thr tpp	0		t				.
pthread_mutex_init()	m	thr	m		t				
pthread_mutex_lock()	m	thr	m		t				
pthread_mutex_setprioceiling()	0	thr tpp	0		t				.

		POSIX			P96		 		
Interface	XSI	Base	U98	U95	1	Caa	C80	SVID3	BGD
			030	093	1 32	Caa	C03	34103	555
<pre>pthread_mutex_timedlock() pthread_mutex_trylock()</pre>	0	thr tmo thr	· .	•		•	•	•	
· · · · · · · · · · · · · · · · · ·	m		m	•	t	•	•		•
pthread_mutex_unlock()	m	thr	m	•	t	•	•		•
pthread_mutexattr_destroy()	m	thr	m		t			•	
pthread_mutexattr_getprioceiling()	0	thr tpp	0		t			•	
pthread_mutexattr_getprotocol()	0	thr tpp tpi	0		t				
pthread_mutexattr_getpshared()	m	thr tsh	m		t	•	•		
pthread_mutexattr_gettype()	m	xsi	m			•	•	•	
pthread_mutexattr_init()	m	thr	m		t				
pthread_mutexattr_setprioceiling()	0	thr tpp	0		t			•	
pthread_mutexattr_setprotocol()	0	thr tpp tpi	0		t				
pthread_mutexattr_setpshared()	m	thr tsh	m		t				
pthread_mutexattr_settype()	m	xsi	m		-				
pthread_once()	m	thr	m		t				
pthread_rwlock_destroy()	m	thr	m						
pthread_rwlock_init()	m	thr	m						
pthread_rwlock_rdlock()	m	thr	m						
pthread_rwlock_timedrdlock()	0	thr tmo							
pthread_rwlock_timedwrlock()	0	thr tmo							
pthread_rwlock_tryrdlock()	m	thr	m						
pthread_rwlock_trywrlock()	m	thr	m						
pthread_rwlock_unlock()	m	thr	m						
pthread_rwlock_wrlock()	m	thr	m						
pthread_rwlockattr_destroy()	m	thr	m						
pthread_rwlockattr_getpshared()	m	thr tsh	m						
pthread_rwlockattr_init()	m	thr	m						
pthread_rwlockattr_setpshared()	m	thr tsh	m						
pthread_self()	m	thr	m		t				
pthread_setcancelstate()	m	thr	m		t				
pthread_setcanceltype()	m	thr	m		t				
pthread_setconcurrency()	m	xsi	m						
pthread_setschedparam()	0	thr tps	0		t				
pthread_setschedprio()	0	thr tps	١.						
pthread_setspecific()	m	thr	m		t				
pthread_sigmask()	m	thr	m		t				
pthread_spin_destroy()	О	thr spi	١. ا						
pthread_spin_init()	0	thr spi						_	
pthread_spin_lock()	0	thr spi						_	
pthread_spin_trylock()	0	thr spi	-		_	_	_	-	
pthread_spin_unlock()	0	thr spi	'						
pthread_testcancel()	m	thr	m	•	t	•	•		•
ptsname()	m	xsi	m	m				m .	•
putc()	m	m	m	m	m	m .	m .	m	m
putc_unlocked()	m	tsf	m		t				
putchar() putchar()	m	m	m	m		m ·	m ·	m .	m
putchar() putchar_unlocked()		tsf		111	m t	m	m	'''	m
paterial_urilockeu()	m	ıəı	m	•	t	<u> </u>	<u> </u>	•	•

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
putenv()	m	xsi	m	m				m	
putmsg()	0	xsr	m	m				m	
putpmsg()	0	xsr	m	m				m	
puts()	m	m	m	m	m	m	m	m	m
pututxline()	m	xsi	m	m					
putwc()	m	m	m	m		m	1		
putwchar()	m	m	m	m		m	1		.
pwrite()	m	xsi	m						
gsort()	m	m	m	m	m	m	m	m	m
raise()	m	m	m	m		m	m	m	
rand()	m	m	m	m	m	m	m	m	m
rand_r()	m	tsf	m		t				.
random()	m	xsi	m	m					m
read()	m	xsi	m	m	m			m	m
readdir()	m	m	m	m	m			m	m
readdir_r()	m	tsf	m		t				
readlink()	m	m	m	m				m	m
readv()	m	xsi	m	m				m	m
realloc()	m	m	m	m	m	m	m	m	m
realpath()	m	xsi	m	m					
recv()	m	m	m	m					m
recvfrom()	m	m	m	m					m
recvmsg()	m	m	m	m					m
regcomp()	m	m	m	0	m				
regerror()	m	m	m	0	m				
regexec()	m	m	m	0	m				
regfree()	m	m	m	0	m				.
remainder()	m	m	m	m		m		m	
remainderf()	m	m				m			
remainderl()	m	m				m			
remove()	m	m	m	m	m	m	m	m	
remque()	m	xsi	m	m					m
remquo()	m	m				m			
remquof()	m	m				m			
remquol()	m	m				m			
rename()	m	m	m	m	m	m	m	m	m
rewind()	m	m	m	m	m	m	m	m	m
rewinddir()	m	m	m	m	m			m	m
rindex()	- 1	xsi	m	m					m
rint()	m	m	m	m		m			m
rintf()	m	m				m			.
rintl()	m	m				m			.
rmdir()	m	m	m	m	m			m	m
round()	m	m				m			.
roundf()	m	m				m			.
roundl()	m	m				m			

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Interfere	VOL	POSIX			P96	000	000	CVIDA	DCD
Interface	XSI	Base		U95	P92	C99	C89	SVID3	
scalb()	ob	xsi	m	m				m	m
scalbin()	m	m				m			.
scalbinf()	m	m				m		•	.
scalbini()	m	m				m		•	•
scalbn()	m	m				m			.
scalbnf()	m	m				m			-
scalbnl()	m	m				m			.
scanf()	m	m	m	m	m	m	m	m	m
sched_get_priority_max()	0	ps	0		r				.
sched_get_priority_min()	0	ps	0		r				.
sched_getparam()	0	ps	0		r				.
sched_getscheduler()	0	ps	0		r				.
sched_rr_get_interval()	0	ps	0		r				.
sched_setparam()	0	ps	0		r				.
sched_setscheduler()	0	ps	0		r				.
sched_yield()	m	ps thr	m		r				.
seed48()	m	xsi	m	m				m	
seekdir()	m	xsi	m	m				m	m
select()	m	m	m	m					m
sem_close()	0	sem	0		r				
sem_destroy()	0	sem	0		r				.
sem_getvalue()	0	sem	О		r				.
sem_init()	0	sem	0		r				
sem_open()	0	sem	0		r				
sem_post()	0	sem	0		r				
sem_timedwait()	0	sem tmo							.
sem_trywait()	0	sem	0		r				
sem_unlink()	0	sem	0		r				
sem_wait()	0	sem	0		r				
semctl()	m	xsi	m	m				m	
semget()	m	xsi	m	m				m	.
semop()	m	xsi	m	m				m	.
send()	m	m	m	m					m
sendmsg()	m	m	m	m					m
sendto()	m	m	m	m					m
setbuf()	m	m	m	m	m	m	m	m	m
setcontext()	m	xsi	m	m				m	
setegid()	m	m							
setenv()	m	m	:			[
seteuid()	m	m							
setgid()	m	m	m	m	m			m .	m
setgrent()	m	xsi	m	m				m	m
sethostent()	m	m	m	m					m
setitimer()	m	xsi	m	m	•			m .	m
setime()	m	m	m	m	m	m m	m	m	m
setkey()	0	xsi	0	0				m	'''
Journal of the state of the sta	ļ <u>U</u>	۸۵۱	<u> </u>		•	<u> </u>	•	111	_ '''

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
setlocale()	m	m	m	m	m	m	m	m	
setlogmask()	m	xsi	m	m					m
setnetent()	m	m	m	m					m
setpgid()	m	m	m	m	m			m	
setpgrp()	m	xsi	m	m				m	m
setpriority()	m	xsi	m	m					m
setprotoent()	m	m	m	m					m
setpwent()	m	xsi	m	m				m	m
setregid()	m	xsi	m	m					m
setreuid()	m	xsi	m	m					m
setrlimit()	m	xsi	m	m				m	m
setservent()	m	m	m	m					m
setsid()	m	m	m	m	m			m	
setsockopt()	m	m	m	m					m
setstate()	m	xsi	m	m	•	•	•		m
setuid()	m	m	m	m	m	•	•	m ·	m
setutxent()	m	xsi	m	m		•	•	111	'''
setvbuf()	m	m	m	m	•	m	m	m	•
shm_open()	0	shm	0		r	'''		111	•
shm_unlink()	0	shm	0	•	r	•	•	•	•
shmat()	_	xsi	m					· m	
shmctl()	m	xsi		0				m	
	m		m	0	•			m	•
shmdt()	m	xsi	m	0	•	•	•	m	
shmget()	m	xsi	m	0	•	•	•	m	.
shutdown()	m	m	m	m					m
sigaction()	m	m	m	m	m			m	•
sigaddset()	m	m :	m	m	m			m	
sigaltstack()	m	xsi	m	m	•		•	m	
sigdelset()	m	m	m	m	m			m	
sigemptyset()	m	m	m	m	m			m	
sigfillset()	m	m _.	m	m	m			m	
sighold()	m	xsi	m	m				m	
sigignore()	m	xsi	m	m				m	
siginterrupt()	m	xsi	m	m					m
sigismember()	m	m	m	m	m			m	
siglongjmp()	m	m	m	m	m			m	-
signal()	m	m	m	m		m	m	m	m
signbit()	m	m				m			
signgam	m	xsi						m	
sigpause()	m	xsi	m	m				m	m
sigpending()	m	m	m	m	m			m	.
sigprocmask()	m	thr	m	m	m			m	.
sigqueue()	0	rts	0		r				.
sigrelse()	m	xsi	m	m				m	.
sigset()	m	xsi	m	m				m	.
sigsetjmp()	m	m	m	m	m			m	

<u> </u>	1	POSIX			P96				
Interface	XSI	Base	U98	U95	P92	Caa	C89	SVID3	RSD
						033	C03		D0D
sigsuspend() sigtimedwait()	m	m rts	m	m	m	•	•	m	
, ,	0		0	•	r	•	•		
sigwait()	m	m	m	•	t	•	•		•
sigwaitinfo()	0	rts	0		r				
sin()	m	m	m	m	m	m	m	m	m
sinf()	m	m				m			
sinh()	m	m	m	m	m	m	m	m	m
sinhf()	m	m	•	•	•	m	•		
sinhl()	m	m			•	m			
sinl()	m	m				m			
sleep()	m	m	m	m	m			m	m
snprintf()	m	m	m			m			
sockatmark()	m	m	· .						
socket()	m	m	m	m	•	•	•		m
socketpair()	m	m	m	m	•				m
sprintf()	m	m	m	m	m	m	m	m	m
sqrt()	m	m	m	m	m	m	m	m	m
sqrtf()	m	m			•	m	•		
sqrtl()	m	m				m	•		
srand()	m	m _.	m	m	m	m	m	m	m
srand48()	m	xsi	m	m				m	
srandom()	m	xsi	m	m					m
sscanf()	m	m	m	m	m	m	m	m	m
stat()	m	m _.	m	m	m	•	•	m	m
statvfs()	m	xsi	m	m				m	
stderr	m	m	m	m	m	m	m	m	m
stdin	m	m	m	m	m	m	m	m	m
stdout	m	m _.	m	m	m	m	m	m	m
strcasecmp()	m	xsi	m	m	-	•	•		
strcat()	m	m	m	m	m	m	m	m	m
strchr()	m	m	m	m	m	m	m	m	
strcmp()	m	m	m	m	m	m	m	m	m
strcoll()	m	m	m	m		m	m	m	
strcpy()	m	m	m	m	m	m	m	m	m
strcspn()	m	m _.	m	m	m	m	m	m	
strdup()	m	xsi	m	m				m	
strerror()	m	m	m	m		m	m	m	
strerror_r()	m	tsf							
strfmon()	m	xsi	m	0					
strftime()	m	m	m	m	m	m	m	m	
strlen()	m	m _.	m	m	m	m	m	m	m
strncasecmp()	m	xsi	m	m					
strncat()	m	m	m	m	m	m	m	m	m
strncmp()	m	m	m	m	m	m	m	m	m
strncpy()	m	m	m	m	m	m	m	m	m
strpbrk()	m	m	m	m	m	m	m	m	

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
strptime()	m	xsi	m	0					
strrchr()	m	m	m	m	m	m	m	m	
strspn()	m	m	m	m	m	m	m	m	
strstr()	m	m	m	m	m	m	m	m	
strtod()	m	m	m	m		m	m	m	
strtof()	m	m	.			m			
strtoimax()	m	m				m			
strtok()	m	m	m	m	m	m	m	m	
strtok_r()	m	tsf	m		t				
strtol()	m	m	m	m		m	m	m	
strtold()	m	m	.			m			
strtoll()	m	m				m			
strtoul()	m	m	m	m		m	m	m	
strtoull()	m	m				m			
strtoumax()	m	m				m			
strxfrm()	m	m	m	m		m	m	m	.
swab()	m	xsi	m	m				m	m
swapcontext()	m	xsi	m	m					
swprintf()	m	m	m			m	1		.
swscanf()	m	m	m			m	1		.
symlink()	m	m	m	m				m	m
sync()	m	xsi	m	m				m	m
sysconf()	m	m	m	m	m			m	
syslog()	m	xsi	m	m					m
system()	m	m	m	m		m	m	m	m
tan()	m	m	m	m	m	m	m	m	m
tanf()	m	m	.			m			.
tanh()	m	m	m	m	m	m	m	m	m
tanhf()	m	m				m			
tanhl()	m	m				m			
tanl()	m	m				m			.
tcdrain()	m	m	m	m	m			m	.
tcflow()	m	m	m	m	m			m	
tcflush()	m	m	m	m	m			m	
tcgetattr()	m	m	m	m	m			m	
tcgetpgrp()	m	m	m	m	m			m	
tcgetsid()	m	xsi	m	m				m	.
tcsendbreak()	m	m	m	m	m			m	
tcsetattr()	m	m	m	m	m			m	.
tcsetpgrp()	m	m	m	m	m			m	-
tdelete()	m	xsi	m	m				m	.
telldir()	m	xsi	m	m				m	m
tempnam()	m	xsi	m	m				m	.
tfind()	m	xsi	m	m				m	.
tgamma()	m	m	.			m			.
tgammaf()	m	m				m			

	1	POSIX			P96				
Interface	XSI	Base	U98	U95	P92	1	C89	SVID3	BSD
tgammal()	m	m				m			
time()	m	m	m .	m	m .	m	m	m	m
timer_create()	0	tmr	0	l	'''			'''	'''
timer_delete()	0	tmr	0	•	r			•	•
timer_getoverrun()	0	tmr	0	•	r			•	•
timer_gettime()	0	tmr	0	•	r			•	•
timer_settime()	0	tmr	0	•	r				•
times()	m	m	m	m	m			m .	m
timezone	m	xsi	m	m	'''			m	'''
tmpfile()	m	m	m	m	m	m	m	m	•
tmpnam()	m	m	m	m	m	m	m	m	•
toascii()	m	xsi	m	m				m	m
tolower()	m	m	m	m	m	m	m .	m	m
toupper()	m	m	m	m	m	m	m	m	 m
towctrans()	m	m	m	'''			1		'''
towlower()	m	m	m	m	•		1	•	.
towwpper()	m	m	m	m	•	m	1	•	.
trunc()	m	m	'''		•	m		•	.
truncate()	m	xsi	m	m	•	'''	•		m
truncf()	m	m			•	m	•	•	'''
truncl()	m	m	•		•	m	•	•	•
tsearch()	m	xsi	m .	m	•	'''	•	m .	.
ttyname()	m	tsf	m	m	m .	•	•	m	m
ttyname_r()	m	tsf	m	'''	t	•	•		'''
twalk()	m	xsi	m	m .		•	•	m ·	.
tzname	m	xsi	m	m	m .	•	•	m	•
tzset()	m	xsi	m	m	m	•		m	•
ualarm()	ob	xsi	m	m	l				m
ulimit()	m	xsi	m	m	:			m .	'''
umask()	m	m	m	m	m			m	m
uname()	m	m	m	m	m			m	'''
ungetc()	m	m	m	m	m	m	m	m	m
ungetwc()	m	m	m	m		m	1		
unlink()	m	m	m	m	m		l :	m .	m
unlockpt()	m	xsi	m	m			•	m	
unsetenv()	m	m	'''				•		•
usleep()	ob	xsi	m	m		•	•	•	m
utime()	m	m	m	m	m			m .	m
utimes()	'i'	xsi	m	m					m
va_arg()	m	m	'''		•		•		'''
va_copy()	m	m			•		•		
va_end()	m	m			•		•		.
va_start()	m	m			•		•		.
vfork()	ob	xsi	m	m	•		•		m .
vfprintf()	m	m	m	m	•		•	m ·	'''
vfscanf()	m	m			•	m ·	•	'''	.
violatii ()	1111	111	ļ ·	<u> </u>	•	111	ļ ·	· · ·	<u> </u>

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
vfwprintf()	m	m	m			m	1		
vfwscanf()	m	m				m			.
vprintf()	m	m	m	m		m	m	m	
vscanf()	m	m				m			
vsnprintf()	m	m	m			m			
vsprintf()	m	m	m	m		m	m	m	
vsscanf()	m	m				m			.
vswprintf()	m	m	m			m	1		
vswscanf()	m	m				m			
vwprintf()	m	m	m			m	1		
vwscanf()	m	m	.			m			
wait()	m	m	m	m	m			m	m
waitid()	m	xsi	m	m				m	
waitpid()	m	m	m	m	m			m	m
wcrtomb()	m	m	m			m	1		
wcscat()	m	m	m	m		m	1		
wcschr()	m	m	m	m		m	1		.
wcscmp()	m	m	m	m		m	1		
wcscoll()	m	m	m	0		m	1		
wcscpy()	m	m	m	m		m	1		
wcscspn()	m	m	m	m		m	1		
wcsftime()	m	m	m	0		m	1		
wcslen()	m	m	m	m		m	1		
wcsncat()	m	m	m	m		m	1		
wcsncmp()	m	m	m	m		m	1		
wcsncpy()	m	m	m	m		m	1		
wcspbrk()	m	m	m	m		m	1		
wcsrchr()	m	m	m	m		m	1		
wcsrtombs()	m	m	m			m	1		
wcsspn()	m	m	m	m		m	1		
wcsstr()	m	m	m			m	1		
wcstod()	m	m	m	m		m	1		
wcstof()	m	m				m			.
wcstoimax()	m	m				m			
wcstok()	m	m	m	m		m	1		
wcstol()	m	m	m	m		m	1		
wcstold()	m	m				m			
wcstoll()	m	m	.			m			.
wcstombs()	m	m	m	m		m	m	m	
wcstoul()	m	m	m	m		m	1		.
wcstoull()	m	m	.			m			.
wcstoumax()	m	m				m			.
wcswcs()	1	xsi	m	m					
wcswidth()	m	xsi	m	m					.
wcsxfrm()	m	m	m	0		m	1		.
wctob()	m	m	m			m	1		

		POSIX			P96				
Interface	XSI	Base	U98	U95	P92	C99	C89	SVID3	BSD
wctomb()	m	m	m	m		m	m	m	
wctrans()	m	m	m			m	1		
wctype()	m	m	m	m		m	1		
wcwidth()	m	xsi	m	m					
wmemchr()	m	m	m			m	1		.
wmemcmp()	m	m	m			m	1		
wmemcpy()	m	m	m			m	1		
wmemmove()	m	m	m			m	1		
wmemset()	m	m	m			m	1		
wordexp()	m	m	m	0	m				.
wordfree()	m	m	m	0	m				.
wprintf()	m	m	m			m	1		
write()	m	xsi	m	m	m			m	m
writev()	m	xsi	m	m				m	m
wscanf()	m	m	m			m	1		
<i>y0</i> ()	m	xsi	m	m				m	m
y1()	m	xsi	m	m				m	m
<i>yn</i> ()	m	xsi	m	m				m	m

Utilities Interface Table

This chapter lists all the utilities described in XCU, Issue 6, and indicates what other specifications support the interfaces.

The following conventions are used in columns 2 through 8:

- **m** Indicates that the interface is defined as mandatory.
- opt In the POSIX Base column, two or three letter option codes are used as described in Portability Codes, denoting the option to which the interface belongs.
- **d** Indicates that the interface is part of the DEVELOPMENT Option or Feature Group.
- f Indicates that the interface is part of the FORTRAN Option or Feature Group.
- 2d Indicates that the interface is part of IEEE Std 1003.2d-1994 (Batch Environment).
- Indicates that the interface is optional.
- Indicates that the interface is not specified.

It should be noted that while another specification may support the interface, some of the interface semantics may have changed with evolution and standardization. A developer should not assume that because the interface appears in other specifications, it will behave exactly as described in the Single UNIX Specification, Version 3.

There are 160 utilities listed.

		POSIX					
Interface	XSI	Base	UNIX 98	UNIX 95	POSIX.2-92	SVID 3	4.3BSD
admin	d	xsi	d	d		m	
alias	m	up	m	m	m ·	111	m
ar	m	sd	m	m	0	m .	m
asa	m	FR	m m	m	0		
at	m	up	m	m	m	m ·	m
awk	m	m up	m	m	m m	m	m
basename	m	m	m	m	m	m	m
batch	m		m	m	m	m	
bc	m	up m	m	m	m	111	m
bg	m		m m		m m	•	m
c99		up		m	111	•	111
cal	m	cd xsi	m	· m	•	m	m
	m		m m	m		m	m
cat	m	m	m	m	m	m	m
cd	m	m :	m	m	m	m	m
cflow	d	xsi	d	d	•	m	•
chgrp	m	m	m	m	m	m	m
chmod	m	m	m	m	m	m	m
chown	m	m	m	m	m	m	m
cksum	m	m	m	m	m		
стр	m	m	m	m	m	m	m
comm	m	m	m	m	m	m	m
command	m	up	m	m	m	•	
compress	m	xsi	m	m		m	m
ср	m	m	m	m	m	m	m
crontab	m	up	m	m	m	m	
csplit	m	up	m	m	m	m	
ctags	m	up	d	d	m	m	m
cut	m	m	m	m	m	m	
cxref	d	xsi	d	d		m	
date	m	m	m	m	m	m	m
dd	m	m	m	m	m	m	m
delta	d	xsi	d	d		m	
df	m	up	m	m	m	m	m
diff	m	m	m	m	m	m	m
dirname	m	m	m	m	m	m	
du	m	up	l	m	m	m	m
echo	m	m	m	m	m	m	m
ed	m	m	m	m	m	m	m
env	m	m	m	m	m	m	
ex	m	up	m	m	m	m	m
expand	m	up	m	m	m		m
expr	m	m	m	m	m	m	m
false	m	m	m	m	m	m	m
fc	m	up	m	m	m		m
fg	m	up	m	m	m		m
file	m	up	m	m	m	m .	m
		<u> </u>			ļ	ļ	- '''

	<u> </u>	POSIX	<u> </u>			<u> </u>	<u> </u>
Interface	XSI	Base	UNIX 98	UNIX 95	POSIX.2-92	SVID 3	4.3BSD
find	m	m	m	m	m	m	m
fold	m	m	m	m	m		m
fort77	0	fd	О	f	О		
fuser	m	xsi	m				
gencat	m	xsi	m	m			_
get	d	xsi	d	d		m	
getconf	m	m	m	m			
getopts	m	m	m	m			
grep	m	m	m	m	m	m	m
hash	m	xsi	m	m			m
head	m	m	m	m	m .	m	m
iconv	m	m	m	m			
id	m	m	m	m	m .	m .	•
ipcrm	m	xsi	m				
ipcs	m	xsi	m m	•	•		•
jobs	m	up	m m	m	m .	•	m
join	m	m m	m m	m	m	m ·	m
kill	m	m	m	m	m	m	m
lex	d	cd	d	d	0	m	m
link	m	xsi	m m	u			m
In	m	m NSI	m m	m	m	m ·	m
locale	m	m	m	m	m m	'''	""
localedef	m	m	m	m	m		•
logger	m	m	m	m	m	•	· m
logname	m	m	m m	m	m m	m ·	m
_	m	m m	m m	m	m m	m m	•
lp Is							
m4	m d	xsi xsi	m d	m d	m	m m	m
mailx					· .	m m	m
make	m	m	m d	m d	m	m	· m
	m	sd			m m	m	m
man	m	m	m	m	m m		m
mesg mkdir	m	up	m m	m	m m	m	m
	m	m	m	m	m	m	m
mkfifo	m	m	m	m	m		
more	m	up	m	m	m	m	m
mv	m	m	m	m	m	m	m
newgrp	m	up	m	m	m	m	•
nice	m	up	m	m	m	m	m
nl	m	m	m	m		m	
nm	m	up	d	d	m	m	m
nohup	m	m	m	m	m	m	
od	m	m	m	m	m	m	m
paste	m	m	m	m	m	m	
patch	m	up	m	m	m		m
pathchk	m	m	m	m	m		
pax	m	m	m	m	m	-	-

		POSIX			<u> </u>		
Interface	XSI	Base	UNIX 98	UNIX 95	POSIX.2-92	SVID 3	4.3BSD
pr	m	m	m	m	m	m	m
printf	m	m	m	m	m	m	
prs	d	xsi	d	d		m	
ps	m	up	m	m	m	m	m
, pwd	m	m	m	m	m	m	m
qalter	О	be	_		2d	_	
, qdel	О	be	<u>.</u>		2d		
, ghold	0	be			2d	_	
, qmove	0	be	_		2d	_	
, qmsg	0	be	_		2d		
grerun	0	be	_		2d		
qrls	0	be	_		2d		
qselect	0	be	_	_	2d	_	
qsig	0	be			2d	<u>.</u>	
qstat	0	be	<u>.</u>	-	2d		
qsub	0	be		•	2d	•	
read	m	m	m .	m	m	•	m
renice	m	up	m	m	m		m
rm	m	m m	m	m	m	m ·	m
rmdel	d	xsi	d	d		m	•••
rmdir	m	m M	m	m	m	m m	m
sact	d	xsi	d	d	""	m	
SCCS	d	xsi	d	d	•	'''	m
sed	m	m	m	m	m .	m	m
sh	m	m	m	m	m m	m	m
sleep	m	m	m	m	m m	m	m
sort	m	m	m	m	m m	m	m
split	m	i .	m	m	m	m	m
strings	m	up	m	m	m		m
strip	m	up sd	d	d	0	m	m
stty	m	m su	m m	m			
tabs	m	1	!	m	m	m	m
tail	i	up m	m m		m m	m m	m m
talk	m	m	m m	m	m m	m	m
	m	up	m m	m	m	· m	m
tee	m	m	m m	m	· · ·	m m	m m
test	m	m	m m	m	m m	m m	m
time	m	up	m m	m	m m	m m	m
touch	m	m	m m	m	m m	m m	m m
tput tr	m	up	m	m	m m		m
truo	m	m	m	m	m	m	m
true	m	m vo:	m	m	m	m	m
tsort	m	xsi	m	m		m	m
tty	m	m ····	m	m	m m	m	m
type	m	xsi	m	m			m
ulimit	m	xsi	m	m	•	•	m
umask	m	m	m	m	m	m	-

Interface	XSI	POSIX Base	UNIX 98	UNIX 95	POSIX.2-92	SVID 3	4.3BSD
				OMIX 95	PUSIA.2-92	34103	
unalias	m	up	m	m	m m		m
uname	m	m	m	m	m	m	
uncompress	m	xsi	m	m		m	
unexpand	m	up	m	m	m		
unget	d	xsi	d	d		m	
uniq	m	m	m	m	m	m	m
unlink	m	xsi	m				m
ииср	m	xsi	m	m		m	m
uudecode	m	up	m	m	m	m	m
uuencode	m	up	m	m	m	m	m
uustat	m	xsi	m	m		m	
uux	m	xsi	m	m		m	m
val	d	xsi	d	d		m	
vi	m	up	m	m	m	m	m
wait	m	m	m	m	m	m	m
WC	m	m	m	m	m	m	m
what	d	xsi	d	d		m	m
who	m	up	m	m	m	m	m
write	m	up .	m	m	m	m	m
xargs	m	m	m	m	m	m	
yacc	d	cd	d	d	О	m	m
zcat	m	xsi	m	m		m	

Utilities Interface Table

Headers Interface Table

This chapter lists all the headers described in XBD, Issue 6, complete with an indication of their status for the XSI extension, the POSIX Base, and their availability in UNIX 98, UNIX 95, IEEE Std 1003.1-1996 (POSIX.1) (denoted P96), IEEE Std 1003.2-1992 (POSIX.2) (denoted P92), the ISO C standard (denoted C99), and C 89. The following conventions are used in columns 2 through 8:

- **m** Indicates that the interface is defined as mandatory.
- **o** Indicates that the interface is part of an Option or Feature Group.
- opt In the POSIX Base column, two or three letter option codes are used as described in Portability Codes, denoting the option to which the interface belongs.
- r In the P96 column, this indicates that the interface is part of the POSIX Realtime Extension.
- t In the P96 column, this indicates that the interface is part of the POSIX Threads Extension.
- In the C89 column, this indicates that the interface is part of the ISO/IEC 9899: 1990 standard.
- Indicates that the interface is not specified.

		POSIX					
Interface	XSI	Base	UNIX 98	UNIX 95	P96 P92	C99	C89
<aio.h></aio.h>	0	aio	0		r		
<arpa inet.h=""></arpa>	m	m	m	m			
<assert.h></assert.h>	m	m	m	m		m	m
<complex.h></complex.h>	m	m				m	
<cpio.h></cpio.h>	m	xsi	m	m			.
- <ctype.h></ctype.h>	m	m	m	m		m	m
<dirent.h></dirent.h>	m	m	m	m	m		
<dlfcn.h></dlfcn.h>	m	xsi	m				
<errno.h></errno.h>	m	m	m	m	m	m	m
<fcntl.h></fcntl.h>	m	m	m	m	m		
<fenv.h></fenv.h>	m	m				m	
<float.h></float.h>	m	m	m	m	m	m	m
<fmtmsg.h></fmtmsg.h>	m	xsi	m	m	m		
<fnmatch.h></fnmatch.h>	m	m	m	m	m		.
<ftw.h></ftw.h>	m	xsi	m	m	•		
<glob.h></glob.h>	m	m	m	m	m		.
<grp.h></grp.h>	m	m	m	m	m		
<iconv.h></iconv.h>	m	xsi	m	m			
<inttypes.h></inttypes.h>	m	m	m			m	
<iso646.h></iso646.h>	m	m	m			m	1
<langinfo.h></langinfo.h>	m	xsi	m	m		-	
dibgen.h>	m	xsi	m	m			.
	m	m	m	m	m	m	m
<locale.h></locale.h>	m	m	m	m	m	m	m
<math.h></math.h>	m	m	m	m	m	m	m
<monetary.h></monetary.h>	m	xsi	m	m			
<mqueue.h></mqueue.h>	0	msg	О		r		.
<ndbm.h></ndbm.h>	m	xsi	m	m		-	
<net if.h=""></net>	m	m	m	m			
<netdb.h></netdb.h>	m	m	m	m	m		
<netinet in.h=""></netinet>	m	m	m	m	m		.
<netinet tcp.h=""></netinet>	m	m	m	m	m		
<nl_types.h></nl_types.h>	m	xsi	m	m			
<poll.h></poll.h>	m	m	m	m	•		
<pthread.h></pthread.h>	m	thr	m		t		
<pwd.h></pwd.h>	m	m	m	m	m		.
<regex.h></regex.h>	m	m	m	m	m	-	
<sched.h></sched.h>	0	ps	0	-	r		.
<search.h></search.h>	m	xsi	m	m		-	.
<semaphore.h></semaphore.h>	0	sem	0		r		•
<setjmp.h></setjmp.h>	m	m	m	m	m	m	m
<signal.h></signal.h>	m	m	m	m	m	m	m
<spawn.h></spawn.h>	0	spn	•		•		
<stdarg.h></stdarg.h>	m	m	m	m	m	m	m
<stdbool.h></stdbool.h>	m	m	m	m	m	m	
<stddef.h></stddef.h>	m	m	m	m	m	m	m

		POSIX					
Interface	XSI	Base	UNIX 98	UNIX 95	P96 P92	C99	C89
<stdint.h></stdint.h>	m	m			•	m	
<stdio.h></stdio.h>	m	m	m	m	m	m	m
<stdlib.h></stdlib.h>	m	m	m	m	m	m	m
<string.h></string.h>	m	m	m	m	m	m	m
<strings.h></strings.h>	m	xsi	m	m	-		
<stropts.h></stropts.h>	m	xsr	m	m			.
<sys ipc.h=""></sys>	m	xsi	m	m			
<sys mman.h=""></sys>	m	m	m	m	m		
<sys msg.h=""></sys>	m	xsi	m	m			
<sys resource.h=""></sys>	m	xsi	m	m			.
<sys select.h=""></sys>	m	m	m	m			
<sys sem.h=""></sys>	m	xsi	m	m	m		
<sys shm.h=""></sys>	m	xsi	m	m			
<sys socket.h=""></sys>	m	m	m	m	•		
<sys stat.h=""></sys>	m	m	m	m	m		-
<sys statvfs.h=""></sys>	m	xsi	m	m	m		
<sys time.h=""></sys>	m	m	xsi	m	-		
<sys timeb.h=""></sys>	m	xsi	m	m	-		
<sys times.h=""></sys>	m	m	m	m	m		
<sys types.h=""></sys>	m	m _.	m	m	m		.
<sys uio.h=""></sys>	m	xsi	m	m			
<sys un.h=""></sys>	m	xsi	m	m			
<sys utsname.h=""></sys>	m	m	m	m	m		
<sys wait.h=""></sys>	m	m	m	m	m	•	
<syslog.h></syslog.h>	m	xsi	m	m	•	-	-
<tar.h></tar.h>	m	m	m	m	m	•	
<termios.h></termios.h>	m	m	m	m	m		
<tgmath.h></tgmath.h>	m	m				m	
<time.h></time.h>	m	m	m	m		m	m
<urace.n></urace.n>	0	trc			•		•
<ucontext.n></ucontext.n>	m	xsi	m	m m	•	•	•
<unistd.h></unistd.h>	m	xsi	m	m m	· .	•	•
<utime.h></utime.h>	m m	m m	m m	m m	m m	•	•
<utime.n></utime.n>					111		
<utilipx.n></utilipx.n>	m m	xsi m	m m	m m	•	m	1
<wction:></wction:>	m	m m	m m	m m	•	m	1
<wordexp.h></wordexp.h>		1		i	m	İ	'
<wordexp.ii></wordexp.ii>	m	m	m	m	m		

Headers Interface Table

XCURSES Interface Table

This chapter contains a table of all the interfaces defined in X/Open Curses, Issue 4, Version 2, complete with an indication of their availability for the Single UNIX Specification (denoted by SUSv3), and their availability in UNIX 98, UNIX 95, POSIX.1, POSIX.2, the ISO C standard, SVID 3, and 4.3BSD. The XCURSES interfaces are not specified for the POSIX base in IEEE Std 1003.1-2001.

The following conventions are used in columns 2 through 8:

- m Indicates that the interface is defined as mandatory.
- . Indicates that the interface is not specified.

The table is intended as a quick reference guide for programmers migrating to or developing applications for the Single UNIX Specification, Version 3.

There are 372 interfaces listed, and in addition XCURSES defines three headers: <curses.h>, <term.h>, and <unctrl.h>.

lutanta a	01100	LINIIV OO	LINUX OF	POSIX.1/		C)/ID 0	4 2000
Interface	505V3	UNIX 98	UNIX 95	POSIX.2	Standard	20ID 3	4.3BSD
add_wch()	m	m	m				
add_wchnstr()	m	m	m				
add_wchstr()	m	m	m				
addch()	m	m	m			m	
addchnstr()	m	m	m			m	
addchstr()	m	m	m			m	.
addnstr()	m	m	m			m	
addnwstr()	m	m	m				
addstr()	m	m	m			m	
addwstr()	m	m	m				
attr_get()	m	m	m				
attr_off()	m	m	m				
attr_on()	m	m	m				
attr_set()	m	m	m				
attroff()	m	m	m			m	
attron()	m	m	m			m	.
attrset()	m	m	m			m	
baudrate()	m	m	m			m	.
beep()	m	m	m			m	
bkgd()	m	m	m			m	
bkgdset()	m	m	m			m	

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Interfoce	CHC	LINIV OO	LINIV OF	POSIX.1/		CVID 2	4 2000
Interface		UNIX 98	UNIX 95	POSIX.2	Standard	20ID 3	4.3BSD
bkgrnd()	m	m	m				
bkgrndset()	m	m	m				
border()	m	m	m			m	
border_set()	m	m	m				
box()	m	m	m			m	
box_set()	m	m	m				
can_change_color()	m	m	m			m	
chgat()	m	m	m				
clear()	m	m	m			m	
clearerr()	m	m	m	m	m	m	m
clearok()	m	m	m			m	
clrtobot()	m	m	m			m	
clrtoeol()	m	m	m			m	
color_content()	m	m	m				
color_set()	m	m	m				
copywin()	m	m	m			m	
curs_set()	m	m	m			m	
def_prog_mode()	m	m	m			m	
def_shell_mode()	m	m	m			m	
del_curterm()	m	m	m			m	
delay_output()	m	m	m			m	
delch()	m	m	m			m	
deleteln()	m	m	m			m	
delscreen()	m	m	m			m	
delwin()	m	m	m			m	
derwin()	m	m	m			m	
dupwin()	m	m	m			m	
echo()	m	m	m			m	
echo_wchar()	m	m	m				
echochar()	m	m	m			m	
endwin()	m	m	m			m	
erase()	m	m	m			m	
erasechar()	m	m	m			m	
erasewchar()	m	m	m				
filter()	m	m	m			m	
flash()	m	m	m	_	_	m	_
flushinp()	m	m	m			m	_
get_wch()	m	m	m				_
get_wstr()	m	m	m	_	_		_
getbegyx()	m	m	m			m .	
getbkgd()	m	m	m				
getbkgrnd()	m	m	m				
getmaxyx()	m	m	m			m	
getn_wstr()	m	m	m	•	•		•
getparyx()	m	m	m			m	'
getstr()	m	m	m			m	
901311 ()	111	111	111	·	·	111	•

	1			POSIX.1/	ISO C		
Interface	SUSv3	UNIX 98	UNIX 95		Standard	SVID 3	4.3BSD
getwin()	m	m	m				
getyx()	m	m	m	•	•	m	
halfdelay()	m	m	m		•	m	•
has_colors()	m	m	m	•	•	m	
has_ic()	m	m	m	•	•	m	•
has_il()	m	m	m	-	•	m	•
hline()	m	m	m		•	1111	•
hline_set()		m	m		-	•	•
idcok()	m			•	•	· .	•
idlok()	m	m	m	-	-	m	•
	m	m	m			m	
ilogb()	m	m	m	-	-		•
immedok()	m	m	m		•	m	
in_wch()	m	m	m		•		
in_wchnstr()	m	m	m	-	-		
in_wchstr()	m	m	m				
inch()	m	m	m		-	m	
inchnstr()	m	m	m			m	
inchstr()	m	m	m	-		m	
init_color()	m	m	m	-		m	
init_pair()	m	m	m	-	-	m	
initscr()	m	m	m			m	
innstr()	m	m	m			m	
innwstr()	m	m	m				
ins_nwstr()	m	m	m		_		
ins_wch()	m	m	m				
ins_wstr()	m	m	m				
insch()	m	m	m			m	
insdelln()	m	m	m			m	
insertIn()	m	m	m	_		m	
insnstr()	m	m	m	_	_	m	
insstr()	m	m	m			m	
instr()	m	m	m	_	_	m	
intrflush()	m	m	m	_	_	m	_
inwstr()	m	m	m	_	_		
is_linetouched()	m	m	m	_	_	m	-
is_wintouched()	m	m	m			m	
isendwin()	m	m	m	•	•	m	•
key_name()	m	m	m		•		•
keyname()	m	m	m	-	-	m .	
keypad()	m	m	m	•	•	m	
killchar()	m	m	m			'''	
killwchar()				•			.
leaveok()	m	m	m	•	•	· m	
	m	m m	m m	•		m	
longname()	m	m	m			m	•
meta()	m	m	m			m	.
move()	m	m	m			m	

	1			POSIX.1/	ISO C		
Interface	GHGAS	UNIX 98	LINIY 05	1	1	CAID 3	4 3BSD
				F USIA.2	Stariuaru	34103	4.3030
mvadd_wch() mvadd_wchnstr()	m	m	m				•
	m	m	m	•			•
mvadd_wchstr()	m	m	m	-			.
mvaddch()	m	m	m			m	.
mvaddchnstr()	m	m	m			m	
mvaddchstr()	m	m	m			m	
mvaddnstr()	m	m	m			m	
mvaddnwstr()	m	m	m				
mvaddstr()	m	m	m	-		m	
mvaddwstr()	m	m	m				
mvchgat()	m	m	m				
mvcur()	m	m	m			m	
mvdelch()	m	m	m			m	
mvderwin()	m	m	m			m	
mvget_wch()	m	m	m				
mvget_wstr()	m	m	m				.
mvgetch()	m	m	m			m	
mvgetn_wstr()	m	m	m				
mvgetnstr()	m	m	m			m	
mvgetstr()	m	m	m				
mvhline()	m	m	m				
mvhline_set()	m	m	m				
mvin_wch()	m	m	m	_	_	_	_
mvin_wchnstr()	m	m	m	_	_		
mvin_wchstr()	m	m	m		_		
mvinch()	m	m	m		_	m	
mvinchnstr()	m	m	m		•	m	•
mvinchstr()	m	m	m	-	-	m	
mvinnstr()	m	m	m			m	.
mvinnwstr()	m	m	m	•	•		•
mvins_nwstr()	m	m	m m	-	-	•	•
mvins_wch()	m	m	m	•		•	•
mvins_werr()	m	m	m	•		•	•
mvinsch()	m	m	m	•	•	m .	
mvinsnstr()				-	-		•
	m	m	m	•	•	m	
mvinsstr()	m	m	m			m	•
mvinstr()	m	m	m			m	
mvinwstr()	m	m	m	-	•		
mvprintw()	m	m	m	•		m	•
mvscanw()	m	m	m	•	•	m	.
mvvline()	m	m	m	•			
mvvline_set()	m	m	m				.
mvwadd_wch()	m	m	m				
mvwadd_wchnstr()	m	m	m				.
mvwadd_wchstr()	m	m	m	•			.
mvwaddch()	m	m	m		-	m	

				POSIX.1/	ISO C		
Interface	SUSv3	UNIX 98	UNIX 95			SVID 3	4.3BSD
mvwaddchnstr()	m	m	m			m	
mvwaddchstr()	m	m	m			m	
mvwaddnstr()	m	m	m			m	
mvwaddnwstr()	m	m	m				
mvwaddstr()	m	m	m			m	
mvwaddwstr()	m	m	m				
mvwchgat()	m	m	m				
mvwdelch()	m	m	m			m	
mvwget_wch()	m	m	m				
mvwget_wstr()	m	m	m				
mvwgetch()	m	m	m		_	m	
mvwgetn_wstr()	m	m	m		_		.
mvwgetnstr()	m	m	m				
mvwgetstr()	m	m	m			m	
mvwhline()	m	m	m				
mvwhline_set()	m	m	m				
mvwin()	m	m	m			m	
mvwin_wch()	m	m	m		_		
mvwin_wchnstr()	m	m	m		_		
mvwin_wchstr()	m	m	m			_	
mvwinch()	m	m	m		_	m	
mvwinchnstr()	m	m	m		_	m	
mvwinchstr()	m	m	m		_	m	-
mvwinnstr()	m	m	m		_	m	
mvwinnwstr()	m	m	m		_		
mvwins_nwstr()	m	m	m		_		
mvwins_wch()	m	m	m				•
mvwins_wstr()	m	m	m				
mvwinsch()	m	m	m		_	m	
mvwinsnstr()	m	m	m		_	m	
mvwinsstr()	m	m	m		_	m	
mvwinstr()	m	m	m			m	
mvwinwstr()	m	m	m				
mvwprintw()	m	m	m			m	
mvwscanw()	m	m	m			m	
mvwvline()	m	m	m				
mvwvline_set()	m	m	m		_		
napms()	m	m	m			m	
newpad()	m	m	m			m	[
newterm()	m	m	m			m	
newwin()	m	m	m			m	
nl()	m	m	m			m	
nocbreak()	m	m	m			m	
nodelay()	m	m	m			m	
noecho()	m	m	m			m	.
nonl()	m	m	m			m	.

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Interfere	CHC	LINIV OO	LINIV OF	POSIX.1/		CVID 3	4 2000
Interface	SUSV3	UNIX 98	UNIX 95	POSIX.2	Standard	SVID 3	4.3BSD
noqiflush()	m	m	m			m	
noraw()	m	m	m			m	
notimeout()	m	m	m			m	
overlay()	m	m	m			m	
overwrite()	m	m	m			m	
pair_content()	m	m	m			m	
pecho_wchar()	m	m	m				
pechochar()	m	m	m			m	
pnoutrefresh()	m	m	m			m	
prefresh()	m	m	m			m	
printw()	m	m	m		•	m	
putp()	m	m	m			m	
putwin()	m	m	m			m	
qiflush()	m	m	m			m	
raw()	m	m	m			m	
redrawwin()	m	m	m		•	m	
refresh()	m	m	m		•	m	
reset_prog_mode()	m	m	m			m	
reset_shell_mode()	m	m	m			m	
resetty()	m	m	m			m	
restartterm()	m	m	m			m	
ripoffline()	m	m	m			m	
savetty()	m	m	m			m	
scr_dump()	m	m	m			m	
scr_init()	m	m	m			m	
scr_restore()	m	m	m			m	
scr_set()	m	m	m			m	
scrl()	m	m	m			m	
scroll()	m	m	m			m	
scrollok()	m	m	m			m	
set_curterm()	m	m	m	_	_	m	_
set_term()	m	m	m		_	m	
setcchar()	m	m	m	_	_	_	
setscrreg()	m	m	m			m	
setupterm()	m	m	m			m	
slk_attr_off()	m	m	m				
slk_attr_on()	m	m	m	-	-		•
slk_attr_set()	m	m	m	•	•		
slk_attroff()	m	m	m		•	m	
slk_attron()	m	m	m		•	m	
slk_attrset()	m	m	m			m	
slk_clear()	m	m	m			m	.
slk_color()	m	m	m			'''	
slk_init()	m	m	m		•	m	•
slk_label()	m	m	m		•	m	•
slk_noutrefresh()	m	m	m	•	•	m	.
SIN_HOURIGHESH()	111	111	111	<u> </u>	<u> </u>	111	· · ·

				POSIX.1/	ISO C		
Interface	SUSv3	UNIX 98	UNIX 95	POSIX.2	Standard	SVID 3	4.3BSD
slk_refresh()	m	m	m	_	_	m	_
slk_restore()	m	m	m		_	m	
slk_set()	m	m	m		-	m	
slk_touch()	m	m	m			m	
slk_wset()	m	m	m	•	-		
standend()	m	m	m		-	m .	
standout()	m	m	m		-	m	
start color()	m	m	m			m	.
stdscr()	m	m	m	•	•	m	
subpad()	m	m	m	•	•	m	
subwin()	m	m	m		-	m	
syncok()	m	m	m	•		m	
term_attrs()	m	m	m	•		'''	.
termattrs()	m	m	m	•		m .	
termname()	m	m	m	•	•	m	
tgetent()	m	m	m	•	•	m	
tgetflag()	m	m	m	•	-	m	
tgetnum()	m	m	m	•	-	m	
tgetstr()	m	m	m	•	-	m	.
tgoto()	m	m	m	•	-	m	
tigetflag()	m	m	m	•	-	m	
tigetnum()	m	m	m	•	-	m	•
tigetstr()	m	m	m	•	-	m	
timeout()	m	m	m	•	-	m	
touchline()	m	m	m	•	•	m	•
touchwin()	m	m	m	•	-	m	
tparm()	m	m	m	•	-	m	•
tputs()	m	m	m	•	-	m	•
typeahead()	m	m	m	•	•	m	•
unctrl()	m	m	m	•	-	m	.
unget_wch()	m	m	m m	•	-	111	•
ungetch()	m	m	m m	•	•	m .	•
untouchwin()	m	m	m	•	-	m	
use_env()	m	m	m	•	-	m	•
vid_attr()	m	m	m	•	-	'''	
vid_attr() vid_puts()	m	m	m	•	•	•	
vid_puts() vidattr()	m	m	m	•	-	m .	
vidputs()	m	m	m	•	-	m	
vline()	m	m	m	•	-	111	
vline() vline_set()	m	m	m				'
vw_printw()	m	m	m				.
vw_printw() vw_scanw()	m	m	m	•			.
vw_scarw() vwprintw()	m	m	m			m .	.
vwscanw()	m	m	m	•	•	m	.
wadd_wch()	m	m	m	•	•	'''	.
wadd_wch() wadd_wchnstr()	m	m	m				'
wadu_wonnsh()	1111	111	111				

Interface		1	<u> </u>		DOCIV 4/	100.0		
wadd_wchstr() m <	Interfere	01100	LINIV OO	LINIV OF	POSIX.1/		CVID a	4 2000
waddch() m<			UNIX 98	UNIX 95	PU5IX.2	Standard	20ID 3	4.3BSD
waddchrstr() m <t< td=""><td></td><td>m</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td></t<>		m	m	m				
waddchstr() m <td< td=""><td>``</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></td<>	``	m	m	m			m	
waddnstr() m m m m .	()	m	m	m			m	
waddstr() m	. ,	m	m	m			m	
waddstr() m m m . m .	.,	m	m	m			m	
watdwstr() m	` '	m	m	m				
wattr_get() m m m m <td>()</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td>m</td> <td></td>	()	m	m	m			m	
wattr_off() m m m m . <td< td=""><td>` '</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td></td<>	` '	m	m	m				
wattr_on() m	•	m	m	m				
wattroff() m	wattr_off()	m	m	m				
wattroff() m	wattr_on()	m	m	m				
wattron() m	wattr_set()	m	m	m				
wattrset() m	wattroff()	m	m	m			m	
wbkgd() m </td <td>wattron()</td> <td>m</td> <td>m</td> <td>m</td> <td></td> <td></td> <td>m</td> <td></td>	wattron()	m	m	m			m	
wbkgdset() m m m m .	wattrset()	m	m	m			m	
wbkgrnd() m	wbkgd()	m	m	m			m	
wbkgrndset() m <t< td=""><td>wbkgdset()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></t<>	wbkgdset()	m	m	m			m	
wborder() m m m m .	wbkgrnd()	m	m	m				
wborder_set() m m m . <	wbkgrndset()	m	m	m				
wclgat() m<	wborder()	m	m	m			m	
wclear() m<	wborder_set()	m	m	m				
wclrtobot() m <td< td=""><td>wchgat()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td></td<>	wchgat()	m	m	m				
wclrtobot() m <td< td=""><td>wclear()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></td<>	wclear()	m	m	m			m	
wcolor_set() m <t< td=""><td>wclrtobot()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></t<>	wclrtobot()	m	m	m			m	
wcursyncup() m <t< td=""><td>wclrtoeol()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></t<>	wclrtoeol()	m	m	m			m	
wdelch() m<	wcolor_set()	m	m	m				
wdeleteln() m m m m . m . <td< td=""><td>wcursyncup()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></td<>	wcursyncup()	m	m	m			m	
wecho_wchar() m <	wdelch()	m	m	m			m	
wechochar() m <td< td=""><td>wdeleteln()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></td<>	wdeleteln()	m	m	m			m	
werase() m<	wecho_wchar()	m	m	m				
wget_wch() m m m .	wechochar()	m	m	m			m	
wget_wstr() m m m . <td< td=""><td>werase()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td>m</td><td></td></td<>	werase()	m	m	m			m	
wgetbkgrnd() m m m m . <t< td=""><td>wget_wch()</td><td>m</td><td>m</td><td>m</td><td></td><td></td><td></td><td></td></t<>	wget_wch()	m	m	m				
wgetch() m<	wget_wstr()	m	m	m				
wgetch() m<	wgetbkgrnd()	m	m	m				
wgetnstr() m		m	m	m			m	
wgetnstr() m	wgetn_wstr()	m	m	m				
wgetstr() m m m m m . m . m . m . . m .		m	m	m			m	
whline() m m m . . m .<	• ()	m		m			m	
whline_set() m m m . <t< td=""><td></td><td>m</td><td></td><td>m</td><td></td><td></td><td>m</td><td></td></t<>		m		m			m	
win_wch() m m m .								
win_wchnstr() m m m . <								
win_wchstr() m m m winch() m m m . . m .								
<i>winch</i> () m m m m .								
winchinstr() m m m m l . l . m l .	winchnstr()	m	m	m			m	.

				POSIX.1/	ISO C		
Interface	SUSv3	UNIX 98	UNIX 95	POSIX.2	Standard	SVID 3	4.3BSD
winchstr()	m	m	m			m	
winnstr()	m	m	m			m	
winnwstr()	m	m	m				
wins_nwstr()	m	m	m				
wins_wch()	m	m	m				
wins_wstr()	m	m	m				
winsch()	m	m	m			m	
winsdelln()	m	m	m			m	
winsertIn()	m	m	m			m	
winsnstr()	m	m	m			m	
winsstr()	m	m	m			m	
winstr()	m	m	m			m	
winwstr()	m	m	m				
wmove()	m	m	m			m	
wnoutrefresh()	m	m	m			m	
wprintw()	m	m	m			m	
wredrawln()	m	m	m			m	
wrefresh()	m	m	m			m	
wscrl()	m	m	m			m	
wsetscrreg()	m	m	m			m	
wstandend()	m	m	m			m	
wstandout()	m	m	m			m	
wsyncdown()	m	m	m			m	
wsyncup()	m	m	m			m	
wtimeout()	m	m	m			m	
wtouchln()	m	m	m			m	
wunctrl()	m	m	m				
wvline()	m	m	m			m	
wvline_set()	m	m	m	•	•		

XCURSES Interface Table