

IEEE Standards Interpretations for IEEE Std 1003.1c™-1995 IEEE Standard for Information Technology--Portable Operating System Interface (POSIX®) - System Application Program Interface (API) Amendment 2: Threads Extension (C Language)

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7 October 1996

Interpretation Request#1 (PDF)

Topic: Get User Name **Relevant Clauses:** 4.2.4, 4.7.2

Interpretation Request#2 (PDF)

Topic: pthread_key_delete **Relevant Clauses:** 2.8.4, 17.1.1.4, 17.1.3

Interpretation Request#3 (PDF)

Topic: Miscellaneous **Relevant Clauses:** Many

Interpretation Request#4 (PDF)

Topic: pthread_atfork -- Headers and Functions **Relevant Clauses:** 3.1.3.1 lines 79-81, 2.7.3

Interpretation Request#6 (PDF)

Topic: _POSIX_PRIORITIZED_IO **Relevant Clauses:** 6.7.1.1

Interpretation Request#7 (PDF)

Topic: PTHREAD_INHERIT_SCHED **Relevant Clauses:** 13.5.1.1

Interpretation Request#8 (PDF)

Topic: pthread_key_create() **Relevant Clauses:** 17.1.1.2

Interpretation Request#9 (PDF)

Topic: pthread_atfork() **Relevant Clauses:** 3.1.3.1

Interpretation Request#10 (PDF)**Topic:** cancellation points **Relevant Clauses:** 18.1.2**Interpretation Request#11 (PDF)****Topic:** sigpending() **Relevant Clauses:** 3.3.6.2**Interpretation Request#12 (PDF)****Topic:** thread-specific data **Relevant Clauses:** 3.1.3.2**Interpretation Request#13 (PDF)****Topic:** sigevent structure **Relevant Clauses:** 6.7.1.1 (IEEE Std 1003.1b-1993)**Interpretation Request#14 (PDF)****Topic:** stacksize **Relevant Clauses:** 16.1.1.2**Interpretation Request#15 (PDF)****Topic:** default value for attribute **Relevant Clauses:** 13.5.1.2**Interpretation Request#16 (PDF)****Topic:** sigpending **Relevant Clauses:** 3.3.6.2**Interpretation Request#17 (PDF)****Topic:** pthread_attr_setschedparam **Relevant Clauses:** 13.5.1.2**Interpretation Request#18 (PDF)****Topic:** stackaddr attribute **Relevant Clauses:** 16.1.1.2**Interpretation Request#19 (PDF)****Topic:** sched_setparam **Relevant Clauses:** 13.3.3.2**Interpretation Request#20 (PDF)****Topic:** protocol attribute etc **Relevant Clauses:** 13.6.1.2**Interpretation Request#21 (PDF)****Topic:** timers and SIGEV_THREAD **Relevant Clauses:** 14.2.2.2 (P1003.1b)**Interpretation Request#22 (PDF)****Topic:** pthread_setspecific **Relevant Clauses:** 17.1.2.2**Interpretation Request#23 (PDF)****Topic:** pthread_attr_setschedparam **Relevant Clauses:** 13.5.1.2**Interpretation Request#24 (PDF)****Topic:** schedpolicy etc **Relevant Clauses:** 13.5.1.2

Interpretation Request#25 (PDF)**Topic:** `_POSIX_THREAD_*vs_POSIX_THREADS_*` **Relevant Clauses:** 2-10, F3.1**Interpretation Request#26 (PDF)****Topic:** `tmpname()` **Relevant Clauses:** 18.1.2**Interpretation Request#27 (PDF)****Topic:** `pthread_mutexattr_init` Errors **Relevant Clauses:** 11.3.1.4**Interpretation Request#28 (PDF)****Topic:** Waiting on a Condition Errors **Relevant Clauses:** 11.4.4.4**Interpretation Request#29 (PDF)****Topic:** Get scheduling parameter limits **Relevant Clauses:** 13.3.6**Interpretation Request#30 (PDF)****Topic:** Thread Scheduling Functions, Description **Relevant Clauses:** 13.5.1.2**Interpretation Request#31 (PDF)****Topic:** Dynamic Thread Scheduling Parameters Access, Description **Relevant Clauses:** 13.5.2.2**Interpretation Request#32 (PDF)****Topic:** Thread-Specific Data Key Creation Description **Relevant Clauses:** 17.1.1.2**Interpretation Request#33 (PDF)****Topic:** Thread-Cancellation, Async-Cancel Safety **Relevant Clauses:** 18.1.4**Interpretation Request#34 (PDF)****Topic:** `pthread_mutex_init`, `pthread_cond_init` **Relevant Clauses:** 11.3.2.2, 11.4.2.2**Interpretation Request#35 (PDF)****Topic:** cancellation points **Relevant Clauses:** 18.1.2**Interpretation Request#36 (PDF)****Topic:** primitive system data types **Relevant Clauses:** 2.5**IEEE Std 1003.1c Interpretation #37 (PDF)****Topic:** `pthread_atfork` **Relevant Clauses:** 3.1.1.2 and 3.3.1.3**Interpretation Request#38 (PDF)****Topic:** mutex **Relevant Clauses:** 2.2.2.68

Interpretation Request#39 (PDF)**Topic:** thread - safety **Relevant Clauses:** 2.3.9**Interpretation Request#40 (PDF)****Topic:** sigsuspend **Relevant Clauses:** 3.3.7.3**Interpretation Request#41 (PDF)****Topic:** pthread_cancel, pthread.h **Relevant Clauses:** 2.7.3; 18.2.1**Interpretation Request#42 (PDF)****Topic:** pthread_sigmask, pthread.h **Relevant Clauses:** 3.3.5.1; 2.7.3**Interpretation Request#44 (PDF)****Topic:** Threads options **Relevant Clauses:** 1.3.1.3; 2.9.3**Interpretation Request#47 (PDF)****Topic:** write and EPIPE **Relevant Clauses:** 6.4.2.4**Interpretation Request#48 (PDF)****Topic:** open O_EXCL, mg_open O_EXCL **Relevant Clauses:** 5.31.2; 15.2.1.2