NAME

__ppc_yield, __ppc_mdoio, __ppc_mdoom − Hint the processor to release shared resources

LIBRARY

Standard C library (*libc*, *−lc*)

SYNOPSIS

#include <sys/platform/ppc.h>

void __ppc_yield(void);
void __ppc_mdoio(void);
void __ppc_mdoom(void);

DESCRIPTION

These functions provide hints about the usage of resources that are shared with other processors on the Power architecture. They can be used, for example, if a program waiting on a lock intends to divert the shared resources to be used by other processors.

__ppc_yield() provides a hint that performance will probably be improved if shared resources dedicated to the executing processor are released for use by other processors.

__ppc_mdoio() provides a hint that performance will probably be improved if shared resources dedicated to the executing processor are released until all outstanding storage accesses to caching-inhibited storage have been completed.

__ppc_mdoom() provides a hint that performance will probably be improved if shared resources dedicated to the executing processor are released until all outstanding storage accesses to cacheable storage for which the data is not in the cache have been completed.

VERSIONS

These functions first appeared in glibc 2.18.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
__ppc_yield(), **__ppc_mdoio**(), **__ppc_mdoom**()	Thread safety	MT-Safe

STANDARDS

These functions are nonstandard GNU extensions.

SEE ALSO

__ppc_set_ppr_med(3)

Power ISA, Book II - Section 3.2 ("or" architecture)