JOS Virtual Memory Map

4 Gig →	Memory-mapped I/O	32 MB
IOMEMBASE →		
	Remapped physical memory	RW/-- 224 MB
KERNBASE →		f0000000
	Invalid memory	--/-- PTSIZE
KSTACKTOP →		efc00000
		PTSIZE
ULIM →		ef800000
	Cur. page table (User R-)	R-/R- PTSIZE
UVPT →		ef400000
	PAGES (User R-)	R-/R- PTSIZE
UPAGES →		ef000000
	ENVS (User R-)	R-/R- PTSIZE
UTOP → UENVS →		eec00000
	Program data & heap	RW/RW
UTEXT →		00800000
	Empty memory	--/-- PTSIZE
UTEMP →		00400000
	Empty memory	
USTABDATA →	User STAB data (optional)	00200000 PTSIZE
	Empty memory	
0 →		00000000

CPU 0 kernel stack — RW/--
Invalid memory — --/--
CPU 1 kernel stack — RW/--   KSTKSIZE   KSTKGAP
Invalid memory — --/--
CPU 2 kernel stack — RW/--
Invalid memory — --/--

UXSTACKTOP — eec00000
User exception stack — RW/RW   PGSIZE
eebff000
Empty memory — --/--
eebfe000
USTACKTOP
Normal user stack — RW/RW   PGSIZE
eebfd000