

On saturday I conducted some timing tests. I wrote a BCPL program to do one word IO. For reading it attached in units of 10000B words and read into core in units of 200B words. For writing it started with an empty file, and created blocks in units of 10000B words, which it detached after writing. (the writes were in units of 200B words to ECS.)

Results:

Write Only (approx 30000B words total)

BCPL code user time	56 μ sec/wd
BCPL code ECS sys time	1 μ sec/wd
swap time	10 μ sec/wd
other user time	40 μ sec/wd
other ECS sys time	68 μ sec/wd

Read and simultaneous write (approx 30000B words total in and same out)

BCPL code user time	49 μ sec/wd
BCPL code ECS sys time	1 μ sec/wd
swap time	8 μ sec/wd
other user time	18 μ sec/wd
other ECS sys time	50 μ sec/wd

(the above figures good to at ~~best~~ 10%)
best

(block size was 400B wds)

Notice that the non BCPL code time comes to about 30 milli-seconds / block for writes and about 19 milli-seconds ϕ block for reads & writes.

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