

ICCS222: Report
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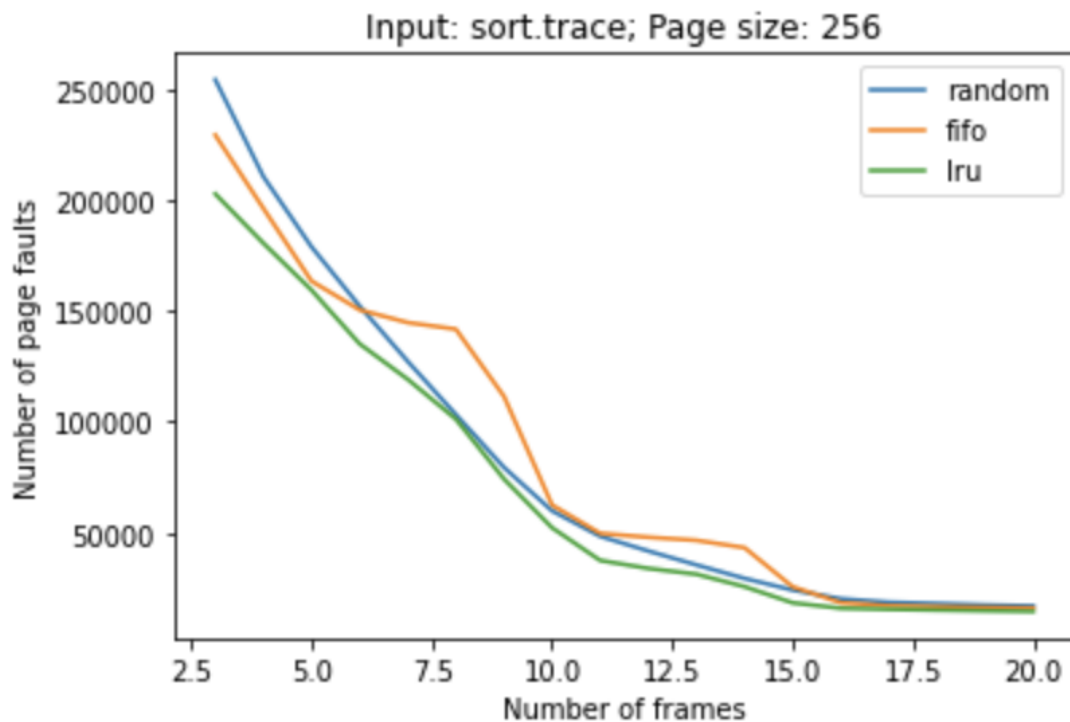
1: purpose

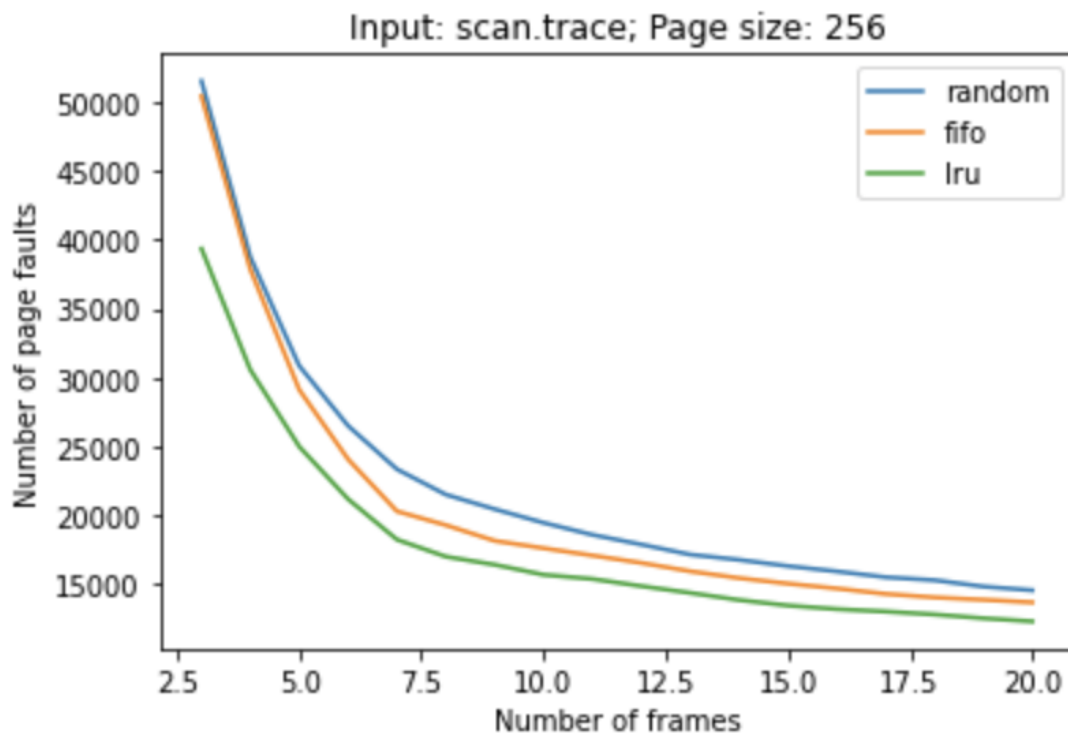
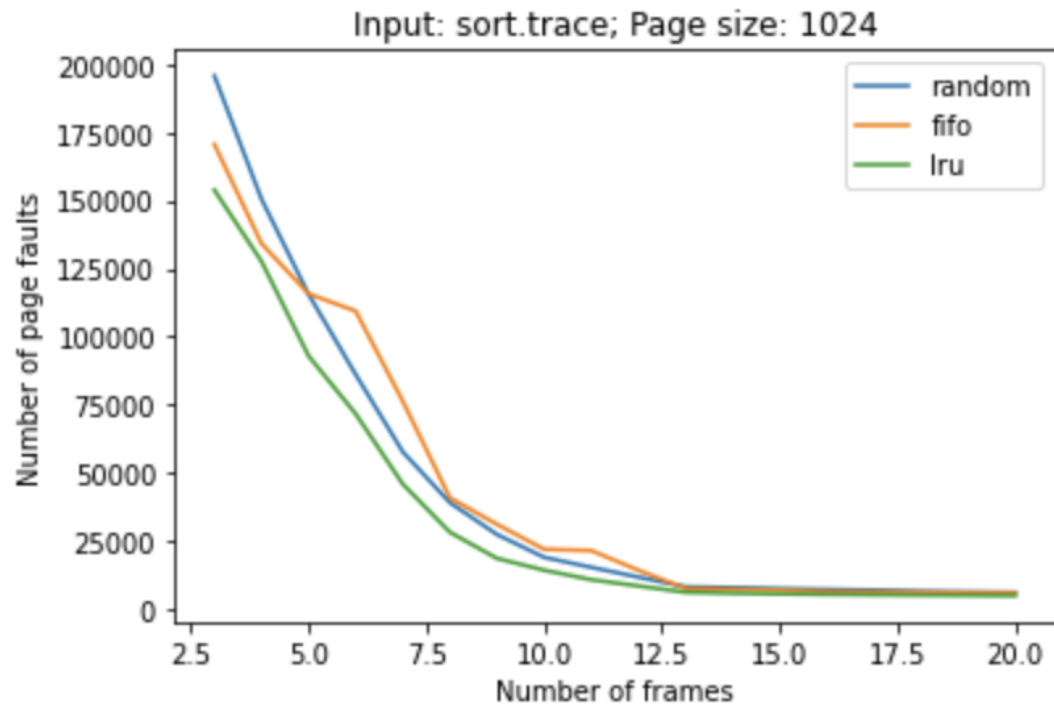
The purpose of this experiment is to find the differences in trends for 3 different page replacement algorithm on 3 difference trace files and the differences in total page faults between 256 and 1024 bits of page size. This is to find out is there an algorithm that works better than the others on each trace files.

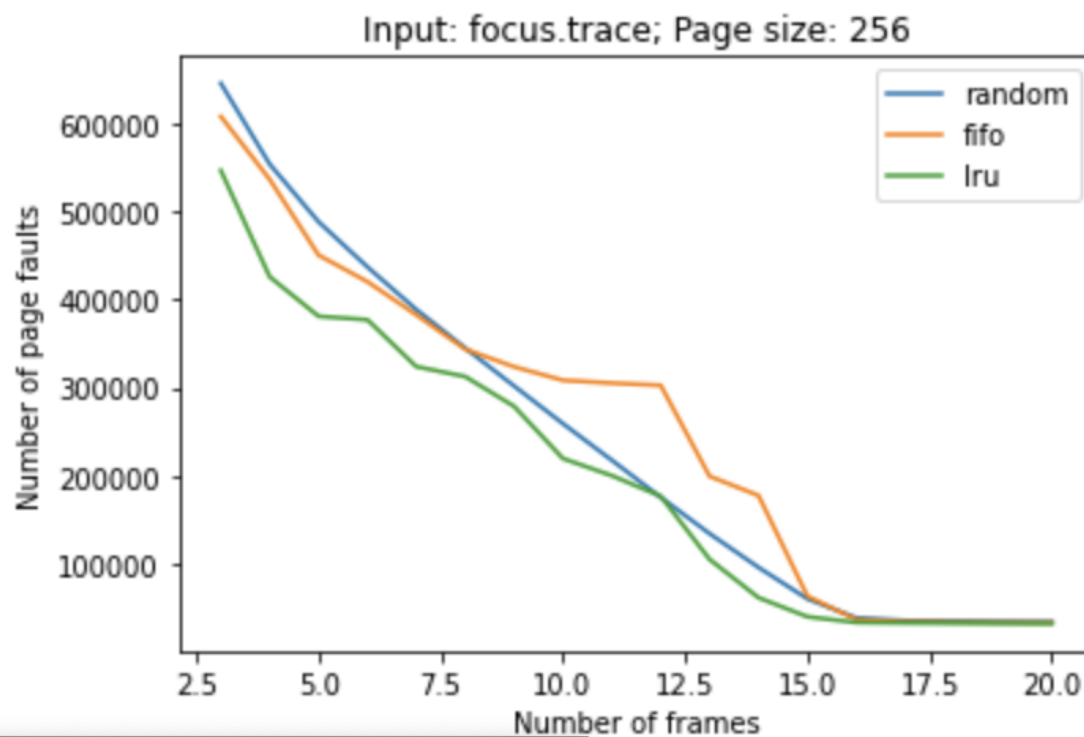
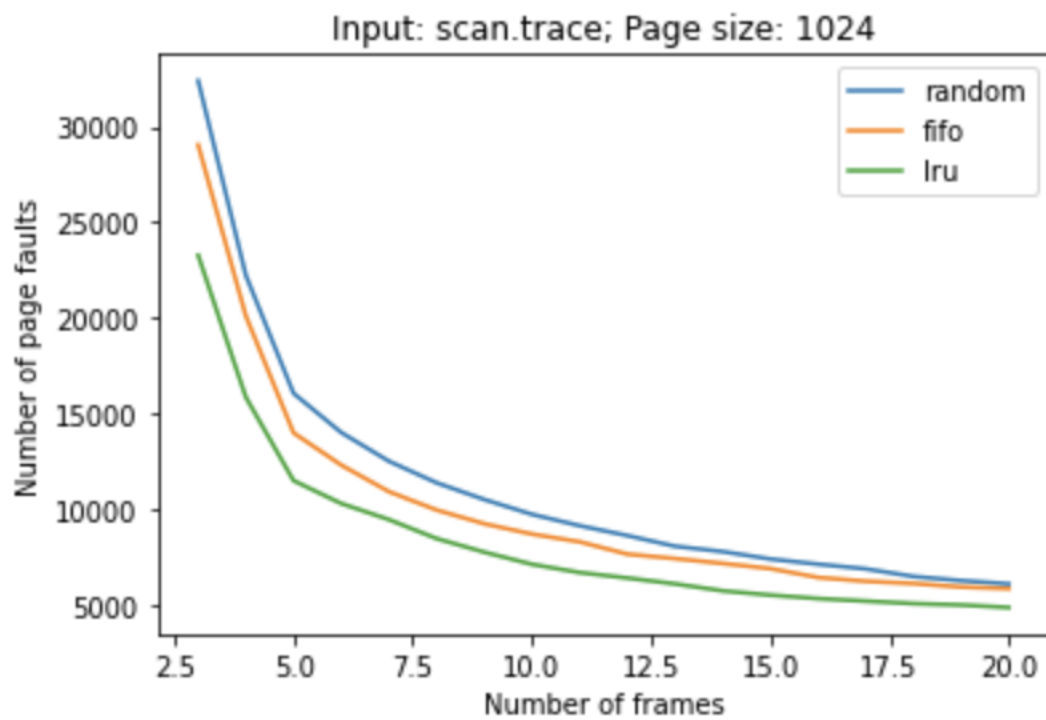
To run the file we need to run 3 commands:

1. gcc -o virtmem virtmem.c
 2. chmod +x run.sh
 3. \run.sh
-

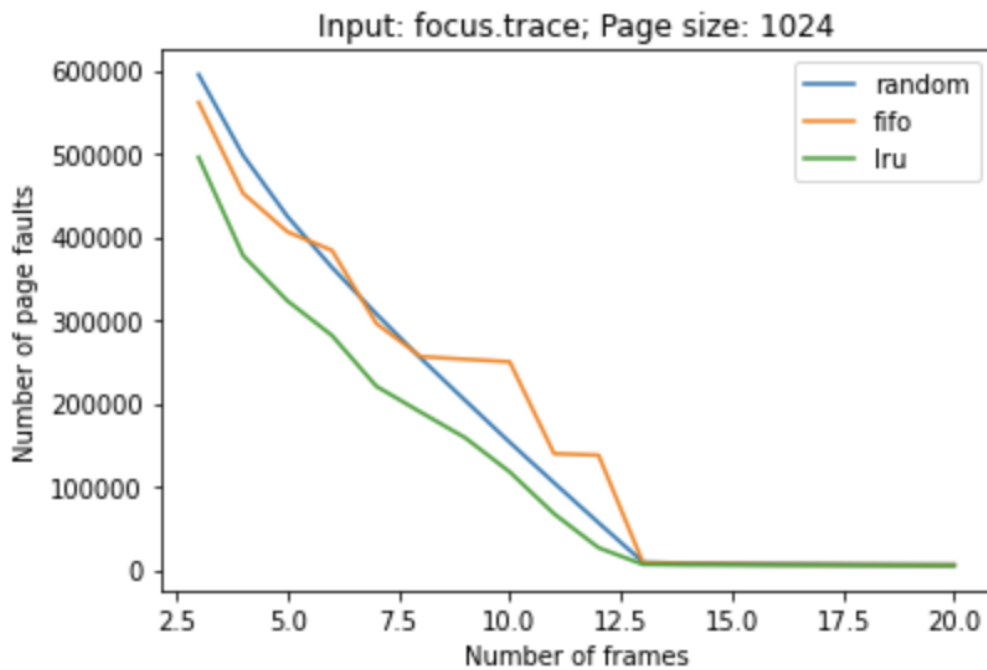
2: graph





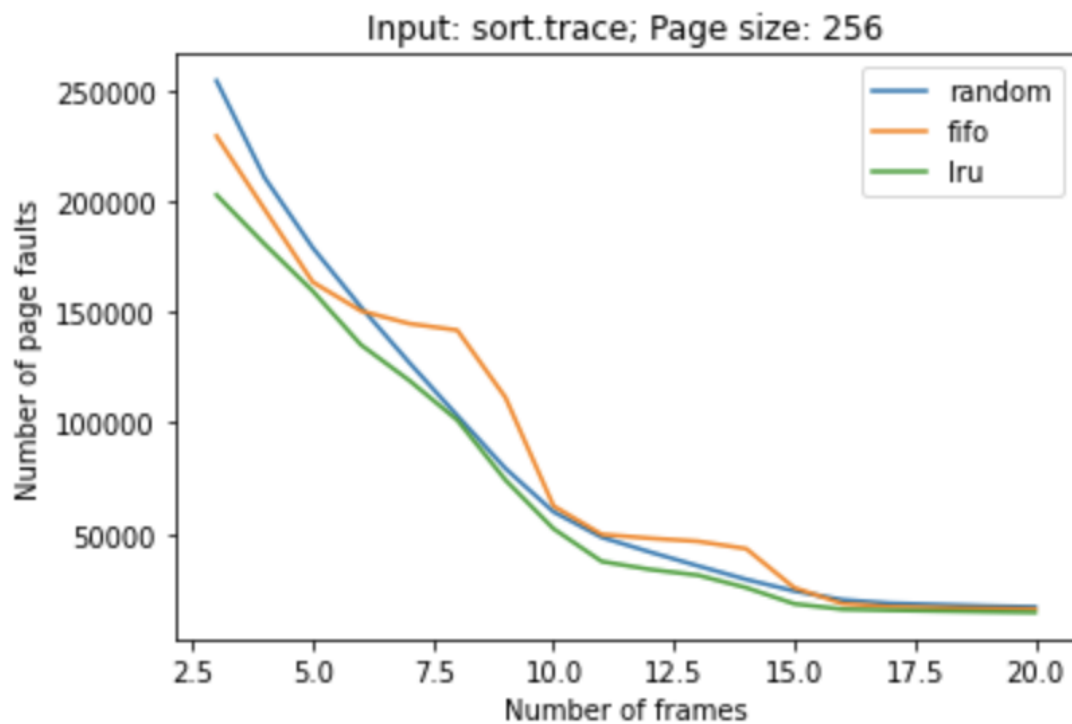


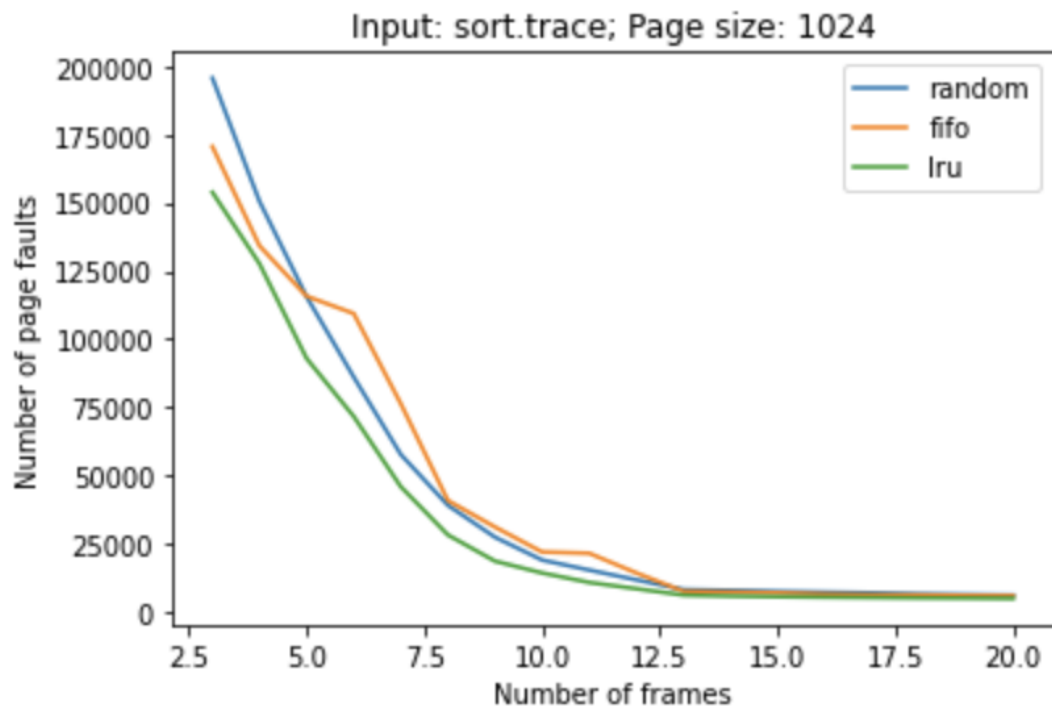
click to scroll output; double click to hide



3: Trends

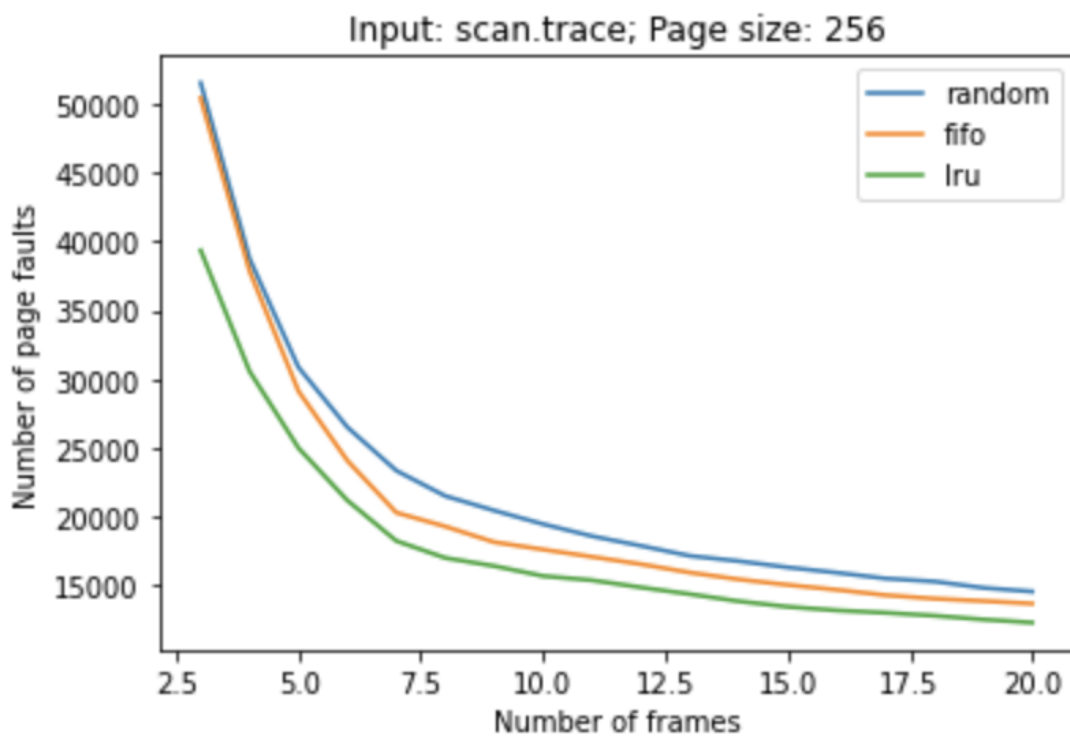
1. sort.trace

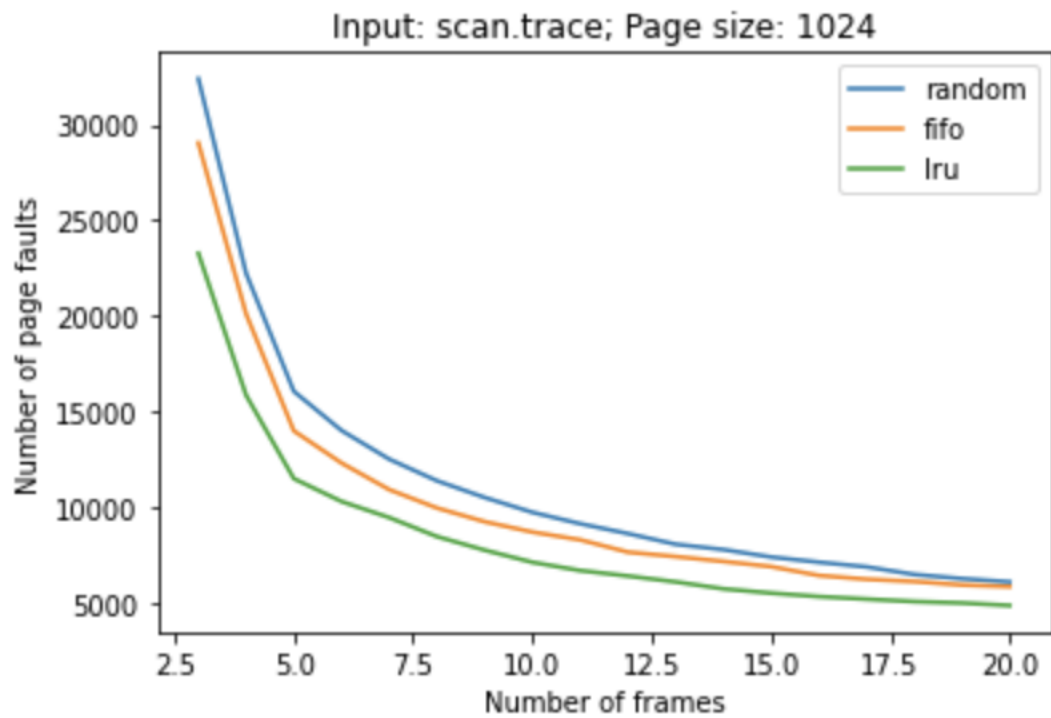




From this 2 graphs we can easily indicate that lru performs the best for both 256 and 1024 page size. As the total page faults per frame is the lowest compare to the other method.

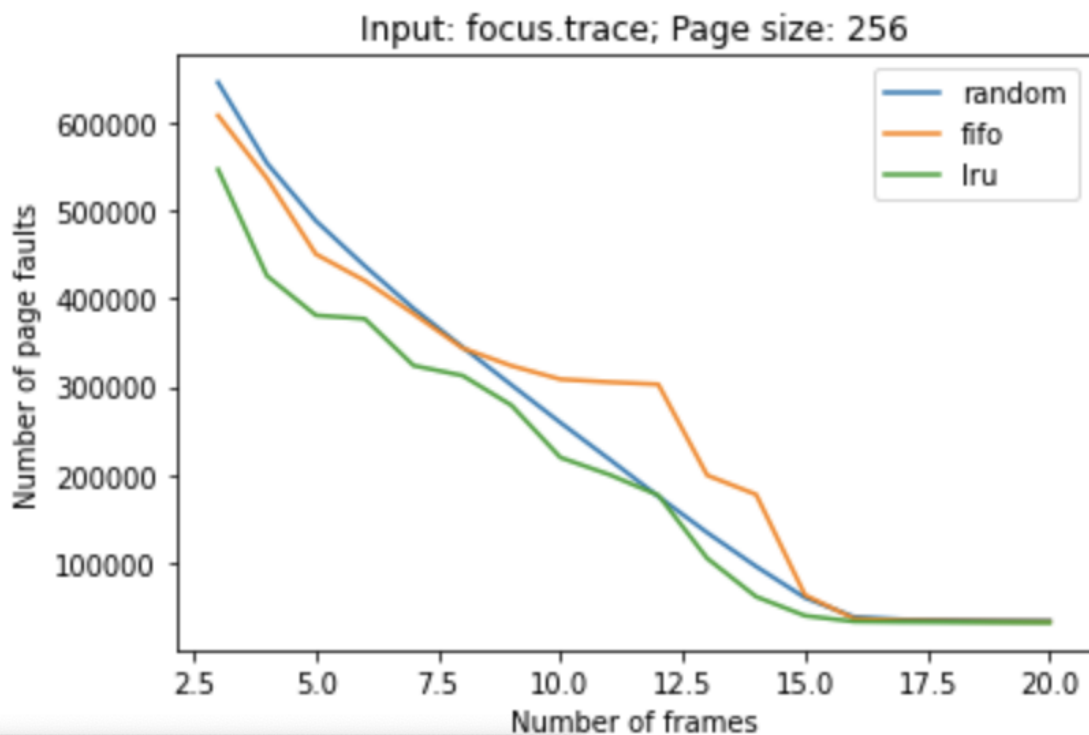
2. scan.trace



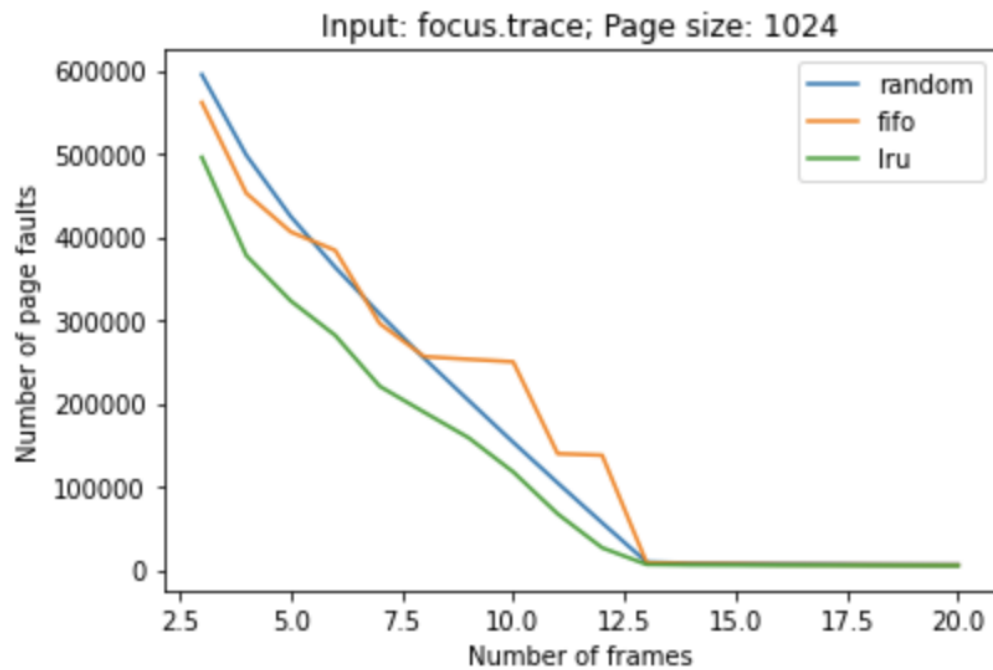


For this trace files Lru also works the best according to the graph it has the least number of page faults compare to the other 2.

3. focus.trace



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For this trace files Iru also works the best accord tp the graph. Eventhogh the graph is fructuated at the lower number of frames.