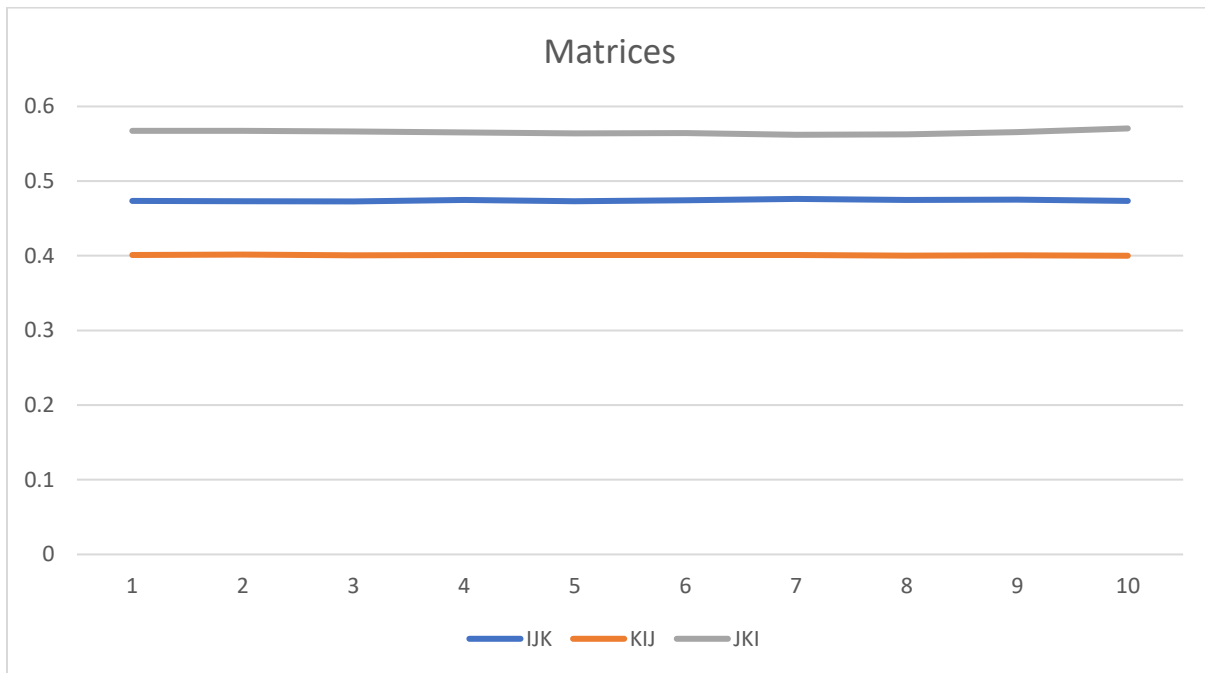


Brian Giovinazzo

```
bg777155@molly: ~  
./eval.sh: line 17: ./matrix_jki: No such file or directory  
./eval.sh: line 17: ./matrix_jki: No such file or directory  
./eval.sh: line 17: ./matrix_jki: No such file or directory  
./eval.sh: line 17: ./matrix_jki: No such file or directory  
bg777155@molly:~/csc231/lab-4-Brian-Giovinazzo/matrix$ nano matrix_kij.c  
bg777155@molly:~/csc231/lab-4-Brian-Giovinazzo/matrix$ ./eval.sh  
matrix_ijk  
It takes 0.473485 seconds  
It takes 0.472961 seconds  
It takes 0.472886 seconds  
It takes 0.474739 seconds  
It takes 0.472934 seconds  
It takes 0.474362 seconds  
It takes 0.476175 seconds  
It takes 0.474669 seconds  
It takes 0.475212 seconds  
It takes 0.473467 seconds  
matrix_kij  
It takes 0.401220 seconds  
It takes 0.401627 seconds  
It takes 0.400646 seconds  
It takes 0.401095 seconds  
It takes 0.400933 seconds  
It takes 0.400854 seconds  
It takes 0.401210 seconds  
It takes 0.400379 seconds  
It takes 0.400719 seconds  
It takes 0.400052 seconds  
matrix_jki  
It takes 0.567391 seconds  
It takes 0.567143 seconds  
It takes 0.566326 seconds  
It takes 0.565164 seconds  
It takes 0.563780 seconds  
It takes 0.564315 seconds  
It takes 0.562069 seconds  
It takes 0.562622 seconds  
It takes 0.565734 seconds  
It takes 0.570565 seconds  
bg777155@molly:~/csc231/lab-4-Brian-Giovinazzo/matrix$  
[lab4] 0:bash*
```



```
bg777155@molly: ~  
-rw-rw-r-- 1 bg777155 bg777155 515 Dec 6 13:18 clock.h  
-rw-rw-r-- 1 bg777155 bg777155 6424 Dec 6 13:18 fcyc2.c  
-rw-rw-r-- 1 bg777155 bg777155 1357 Dec 6 13:18 fcyc2.h  
-rw-rw-r-- 1 bg777155 bg777155 2611 Dec 6 13:18 mountain.c  
bg777155@molly:~/csc231/lab-4-Brian-Giovinazzo/mountain$ make  
gcc -Wall -O2 -o mountain mountain.c fcyc2.c clock.c  
mountain.c: In function 'test':  
mountain.c:72:18: warning: variable 'sink' set but not used [-Wunused-but-set-variable]  
72 | volatile int sink;  
|  
bg777155@molly:~/csc231/lab-4-Brian-Giovinazzo/mountain$ ./mountain  
Clock frequency is approx. 2345.8 MHz  
Memory mountain (MB/sec)  
128m 5829 3252 2389 1772 1437 1150 947 781 683 635 598 573 553 535 522 525  
64m 5871 3238 2344 1760 1432 1138 952 783 683 635 600 573 552 535 522 525  
32m 6003 3202 2308 1735 1437 1133 950 786 691 641 607 578 561 551 543 552  
16m 7601 4309 2901 2292 1897 1612 1414 1254 1137 1048 1049 1115 1328 1646 1865 2268  
8m 9825 9727 9075 7994 6816 5821 5108 4495 4191 4132 4246 4219 4132 4044 4028 4030  
4m 11618 9841 9762 8756 7350 6640 5754 5133 4824 4763 4702 5405 5443 5487 5385 5149  
2m 9828 9820 9757 8908 7479 6675 5767 5148 4823 4801 4684 5408 5466 5514 5423 5147  
1024k 11953 9814 9759 9112 7858 6787 5851 5235 4879 4884 4742 5503 5560 5709 5639 5684  
512k 10028 9856 9692 9488 9044 8274 7075 6208 5765 5644 5948 6036 6175 6439 6421 6517  
256k 10210 9822 9727 9786 9723 9632 8216 7121 6607 6465 6357 6428 6502 6548 6490 6594  
128k 10560 9912 9691 9735 9691 9592 8183 7093 6579 6434 6357 6539 6541 6548 6540 6594  
64k 11279 9912 9693 9636 9693 9442 8116 7034 6524 6498 6229 6323 7267 7571 6838 8448  
32k 13030 9911 9911 9540 9562 9596 9675 9084 9618 9068 9148 8884 8730 9299 10265 8792  
16k 13189 12979 12102 9732 12129 11415 10481 10900 10656 10756 9732 10122 9369 10082 9383 8784  
8k 12777 12387 11679 10638 10069 9283 10481 9084 8002 8641 7819 8884 6556 6023 5654 6588  
4k 12398 10464 10219 9732 7570 7458 5241 9148 5989 5365 6443 8884 4068 3768 3519 6588  
2k 9292 8510 8200 7287 11330 4642 5187 4557 5989 5340 9893 4442 8261 7649 3494 3294  
1k 9310 8510 10182 7287 5640 3117 3893 6935 2995 2645 4692 2196 4080 3774 3570 3366  
bg777155@molly:~/csc231/lab-4-Brian-Giovinazzo/mountain$  
[lab4] 0:bash* "molly" 03:47 08-Dec-22
```

