## 高性能计算应用实践实验报告(lab4)

## 2024 秋 苏涵 2023311B25

```
Tasks: 57 total, 3 running, 54 sleeping, 0 stopped, 0 zombie
%Cpu(s): 25.0 us, 0.0 sy, 0.0 ni, 75.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Nem: 15914.0 total, 14463.6 free, 997.4 used, 453.1 buff/cache
MiB Swap: 4096.0 total, 4096.0 free, 0.0 used. 14648.4 avail Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
29104 root 20 0 27364 25908 1220 R 100.0 0 0.2 0:02.31 lab4_naive
29105 root 20 0 27364 25208 520 R 93.3 0.2 0:02.31 lab4_naive
1 root 20 0 167008 12276 8032 S 0.0 0.1 1:141.12 systemd
2 root 20 0 27364 1168 1132 S 0.0 0.0 0.0 0:00.31 init-systemd(Ub
6 root 20 0 2504 1168 1132 S 0.0 0.0 0.0 0:00.03 init-systemd(Ub
6 root 10 0 2504 1168 1132 S 0.0 0.0 0.0 0:00.31 sint-systemd(Ub
6 root 20 0 22906 5988 4572 S 0.0 0.0 0.0 0:00.38 systemd-journal
67 root 20 0 377296 12992 272 S 0.0 0.1 0:00.08 snapfuse
80 root 20 0 153004 2256 56 S 0.0 0.0 0.0 0:00.09 snapfuse
96 root 20 0 153004 2248 48 S 0.0 0.0 0.0 0:00.09 snapfuse
110 root 20 0 153004 2248 48 S 0.0 0.0 0.0 0:00.09 snapfuse
110 root 20 0 153004 1248 48 S 0.0 0.0 0.0 0:00.09 snapfuse
110 root 20 0 302532 5658 196 S 0.0 0.0 0.0 0:00.09 snapfuse
1110 root 20 0 302532 5658 196 S 0.0 0.0 0:00.09 snapfuse
1111 root 20 0 302532 3228 272 S 0.0 0.0 0.0 0:00.09 snapfuse
1123 systemd+ 20 0 25540 12528 8336 S 0.0 0.1 0:01.88 snapfuse
113 root 20 0 302532 13228 272 S 0.0 0.0 0.0 0:00.09 snapfuse
110 root 20 0 153004 184 20 S 0.0 0.0 0:00.09 snapfuse
1111 root 20 0 153004 184 20 S 0.0 0.0 0:00.09 snapfuse
1123 systemd+ 20 0 25540 13528 8336 S 0.0 0.1 0:00.01 roon
191 message+ 20 0 8356 4792 4200 S 0.0 0.0 0:00.01 roon
191 message+ 20 0 8536 4792 4200 S 0.0 0.0 0:00.01 roon
191 message+ 20 0 16332 7140 6196 S 0.0 0.0 0:00.01 systemd-resolve
120 syslog 20 0 222404 5152 4336 S 0.0 0.1 0:00.02 systemd-logind
239 root 20 0 4780 3348 3112 S 0.0 0.0 0:00.00 snapfuse
253 root 20 0 4780 3348 3112 S 0.0 0.0 0:00.00 snapfuse
253 root 20 0 4780 3348 3112 S 0.0 0.0 0:00.00 snapfuse
255 root 20 0 4780 3348 3112 S 0.0 0.0 0:00.00 snapfuse
```

```
2*[agetty]
-cron
-dbus-daemon
-init-systemd(Ub—SessionLeader—Relay(343)—bash—lab4_naive—lab4_naive
-sessionLeader—Relay(5937)—2*[cpptools-srv—7*[{cpptools-srv}]]
-sessionLeader—Relay(5937)—2*[cpptools-srv—7*[{cpptools-srv}]]
-node—12*[node]]
-node—6*[{node}]
-node—6*[{node}]
-node—6*[{node}]
-li*[{node}]
-li*[{node}]
-sessionLeader—Relay(5962)—node—6*[{node}]
-sessionLeader—Relay(23898)—bash—pstree
-init—{init}
-login—bash
-init—{init}
-login—bash
-init—systemd(Ub)
-networkd-dispat
-rsyslogd—3*[{rsyslogd}]
-snapd—13*[{snapfuse}]]
-4*[snapfuse—2*[snapfuse]]
-2*[snapfuse—2*[snapfuse]]
-2*[snapfuse—4*[snapfuse]]]
-systemd—init—systemd(Ub)
-systemd—init—systemd(Ub)
-systemd—init—systemd(Ub)
-systemd-journal
-systemd-logind
-systemd-resolve
-systemd-resolve
-systemd-resolve
-systemd-unattended-upgr—{unattended-upgr}
```

	Time
real	13.284s
user	13.247s
sys	0.030s
(user+sys)/real	0.999