Response time-interactive jobs  Fairness-same amount of opur user - org  Priority  low # migrations
Fairness- same amount of opur user - org
Priority
Priority Low overheads ( tow # migrations  # context switches
Utilization high-
Simplicity-easy to modify, understand, prove properties;
Simplicity-easy to modify, understand, prove properties; No starvation reproduce
Avoid contention cloud balance across cores
Non-critical, bg-low priority -> deadlines -realtime
power consumption
cache considuration-cache affinity
hw aware - hetereogeneity
scalable - multiple cores 64? -load balancing
hw aware - hetereogeneity  Scalable - multiple cores 64? -load balancing  scalable - single grene  # processes
ı

What are the metrics or considerations one should take into account when building a CPU

scheduler?

Simplicity, Manageability, Easy to test/undustend travel to game. From property for epu-bound jobs Fast turnaround/response time for interactive jobs High utilization (-> work conserving) Few context switches Meet deadlines-real-time Proportional chare across users, groups, processes No priority inversion -Energy conservation Cache re-use | sharing Hetereogenity
Locks- no spinoaiting on some core Run @ same time as cooperating threads. wait Low lock contention for shared queues. - #con Scalable w/ # threads. Balanced bad across core Work Compose w/ other resources ( disk

Utilization - Linux for Work no idle resources, if waiting	Conserting
Good to be Non work con resources idle?	
1) power consumption - patch 2) time critical deadline - r ide B-more important! P Ant - parallel systems	work 10 preemption reemption cost
3) cache affinity -state  cade-B b  A (1/11)2	
Disks! anticipatory  Al AZ  BH93	scheduling 32
$ \begin{array}{c} A1 & i/o \\ A2 & i/o \end{array} $ $ \begin{array}{c} B1 \\ B2 \end{array} $	
B11	32