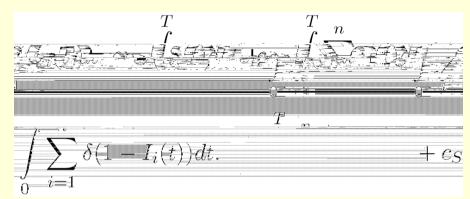
Energy Efficient Scheduling for Data Centers

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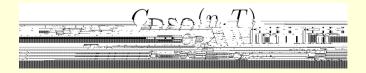
- Data centers large power consumers
 - Find a scheduling policy that minimizes the energy consumption in a nontrivial way.
 - Cost function:
 - Running cost, switching cost and queueing cost



Every stable policy has a lower limit



DSO policy achieves the lower limit



- Dynamic Switch-Off (DSO) policy:
 - Join a server that finished processing most recently
 - If the server is idle for time it gets switched "OFF"