Simulation of Scheduling in Real-Time Systems Model: ErrHandlingPenalty

Table 1: Tasks

Task number	Arrival Time	Execution Time	Deadline	Period
1	2	69	207	207
2	3	137	411	411
3	0	82	246	246
4	0	18	54	54
5	6	69	207	Aperiodic
6	0	137	411	Aperiodic
7	0	82	246	Aperiodic
8	0	18	54	Aperiodic

Table 2: Average Turnaround Times

Task	Average Turnaround Time
1	173
2	411
3	246
4	29.3333
5	204
6	411
7	246
8	36
Total Average Turnaround Time	219.542

Table 3: Simulation Results in Numbers

CPU Idle Time	0
Number of Deadlines reached	18
Number of Deadlines missed	0
Number of Completed tasks	8
Number of Tasks	8

Table 4: Simulation Results in Percentage

CPU Idle Time	0%
Deadlines missed	0 %
Completed tasks	100%

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