

EDF Scheduler

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Tasks Parameters

There is two tasks

- Task1 { Per=50, P=2, EXE=7.58, D=50 }
- Task2 { Per=100, P=1, EXE=1.5, D=100 }

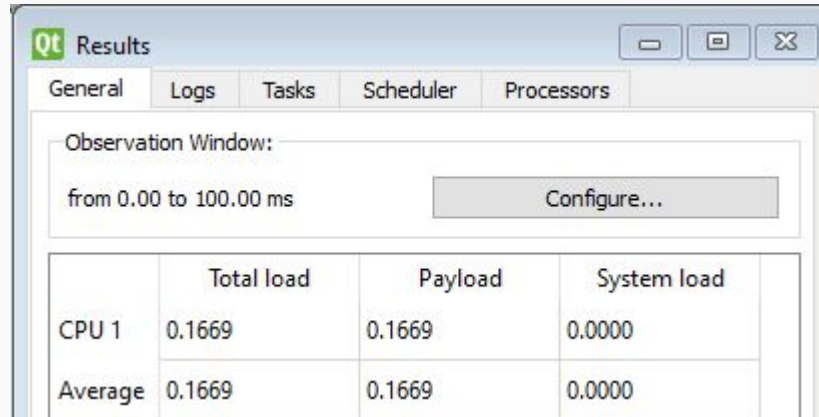
id	Name	Task type	Abort on miss	Act. Date (ms)	Period (ms)	List of Act. dates (ms)	Deadline (ms)	WCET (ms)	Followed by	priority
1	TASK T1	Periodic ▼	<input type="checkbox"/> No	0	50	-	50	7.58	▼	2
2	TASK T2	Periodic ▼	<input type="checkbox"/> No	0	100	-	100	1.53	▼	1

CPU Load calculations

Analytical method

$$U = (7.58/50) + (1.5/100) = 0.1669 = 16.69 \%$$

Simso



The screenshot shows a window titled "Qt Results" with a tabbed interface. The "General" tab is selected. Below the tabs, there is an "Observation Window:" section with a text field showing "from 0.00 to 100.00 ms" and a "Configure..." button. Below this is a table with four columns: "CPU", "Total load", "Payload", and "System load". The table contains two rows: "CPU 1" and "Average".

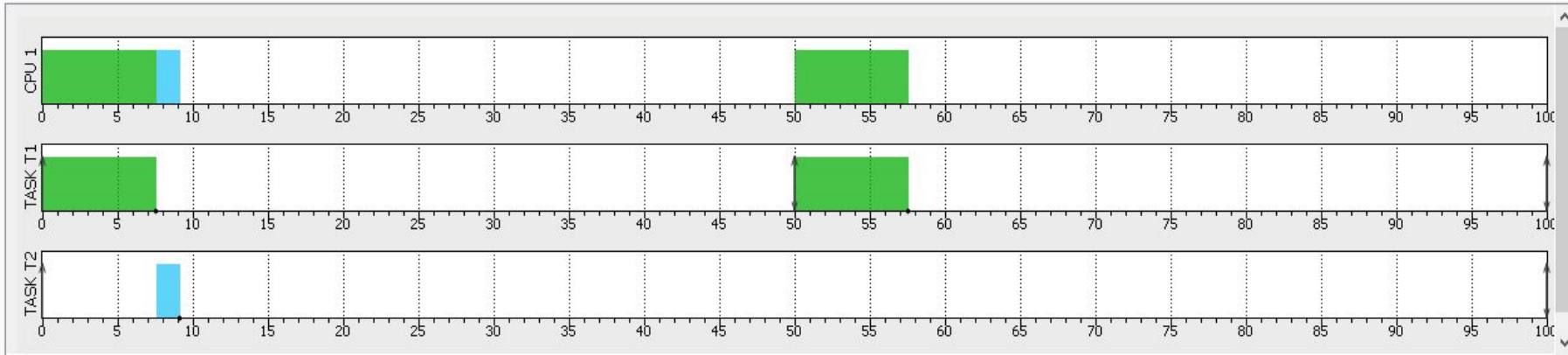
	Total load	Payload	System load
CPU 1	0.1669	0.1669	0.0000
Average	0.1669	0.1669	0.0000

Schedulability

Analytical Method

$$U = (7.58/50) + (1.5/100) = 0.1669 < 1 \rightarrow \text{System is schedulable}$$

Simso



Schedulability

Run time

