

Real-Time Scheduler Simulator

Real-Time EC Task Scheduler

Simulate and visualize embedded systems task scheduling

Single Simulation

Benchmarking

FreeRTOS

Task Configuration

Task Name	Period (ms)	Exec (ms)	Priority
ADC	10	2	2
Filter	30	6	1
DataTX	20	4	3

Name: ADC

Period: 10

Exec: 2

Priority: 2

Add Task

Update Task

Remove Task

Reset Tasks

Scheduler Settings

Scheduler Type:

Priority

Simulation Duration (ms):

100

Scheduling Mode:

☒ Preemptive

☐ Cooperative

Time Quantum (ms):

5

Run Simulation

Simulation Results

Export CSV

Export PNG

Open Full Size

Export Metrics

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Tasks are shared with Simulation tab

Variations

[{"sched_type": "PRIORITY", "mode": "PREEMPTIVE"}, {"sched_type": "PRIORITY", "mode": "COOPERATIVE"}, {"sched_type": "ROUND_ROBIN", "mode": "PREEMPTIVE"}]

Duration (ms): 200

Run Benchmark

Benchmark Results

Export CSV

Export PNG

Open Full Size

Export Report

