

# Femtet Electric Analysis Benchmark

CPU: Intel Xeon W-3375 (2.5 GHz 38 cores)

Memory: 512 GB

Version: Femtet2024.0.1

CAE Software



***muRata***

Murata software Co., Ltd.

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## System Environment for Benchmark

- Items for Benchmark of Steady-state Analysis of Electric Solver in Femtet

Analysis Time

Efficiency of Parallel Computing

Memory Usage

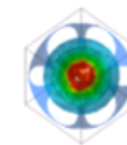
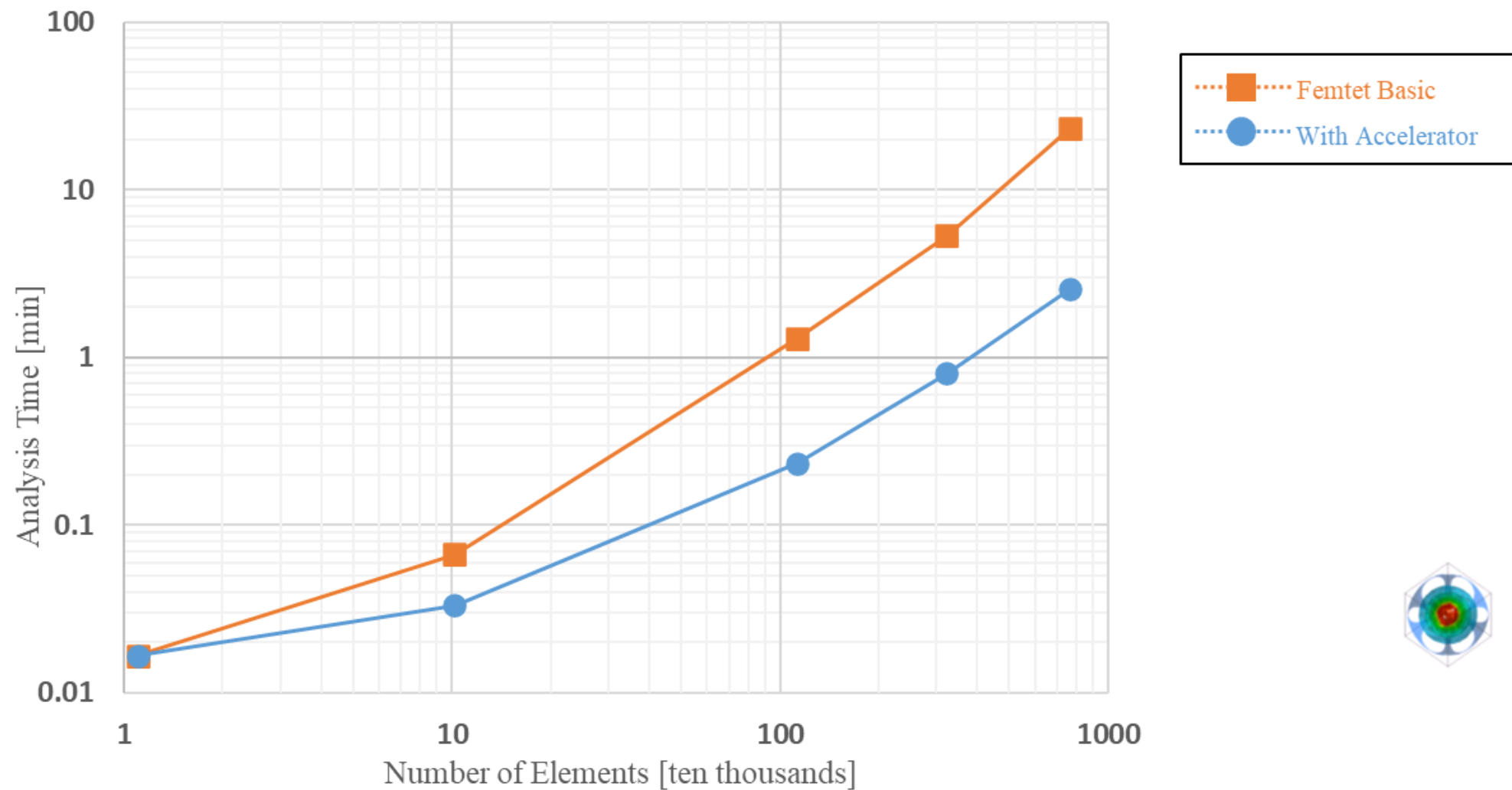
- System

|          |                                                         |
|----------|---------------------------------------------------------|
| CPU      | Intel Xeon W-3375 2.5 GHz<br>38 cores<br>L3 cache 57 MB |
| Memory   | 512 GB<br>DDR4                                          |
| Graphics | NVIDIA T1000 (for Graphics)                             |
| SDD      | M.2 4 TB                                                |
| OS       | Windows 10 Pro 64 bit                                   |
| Femtet   | 2024.0.1                                                |

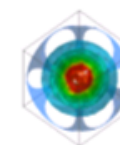
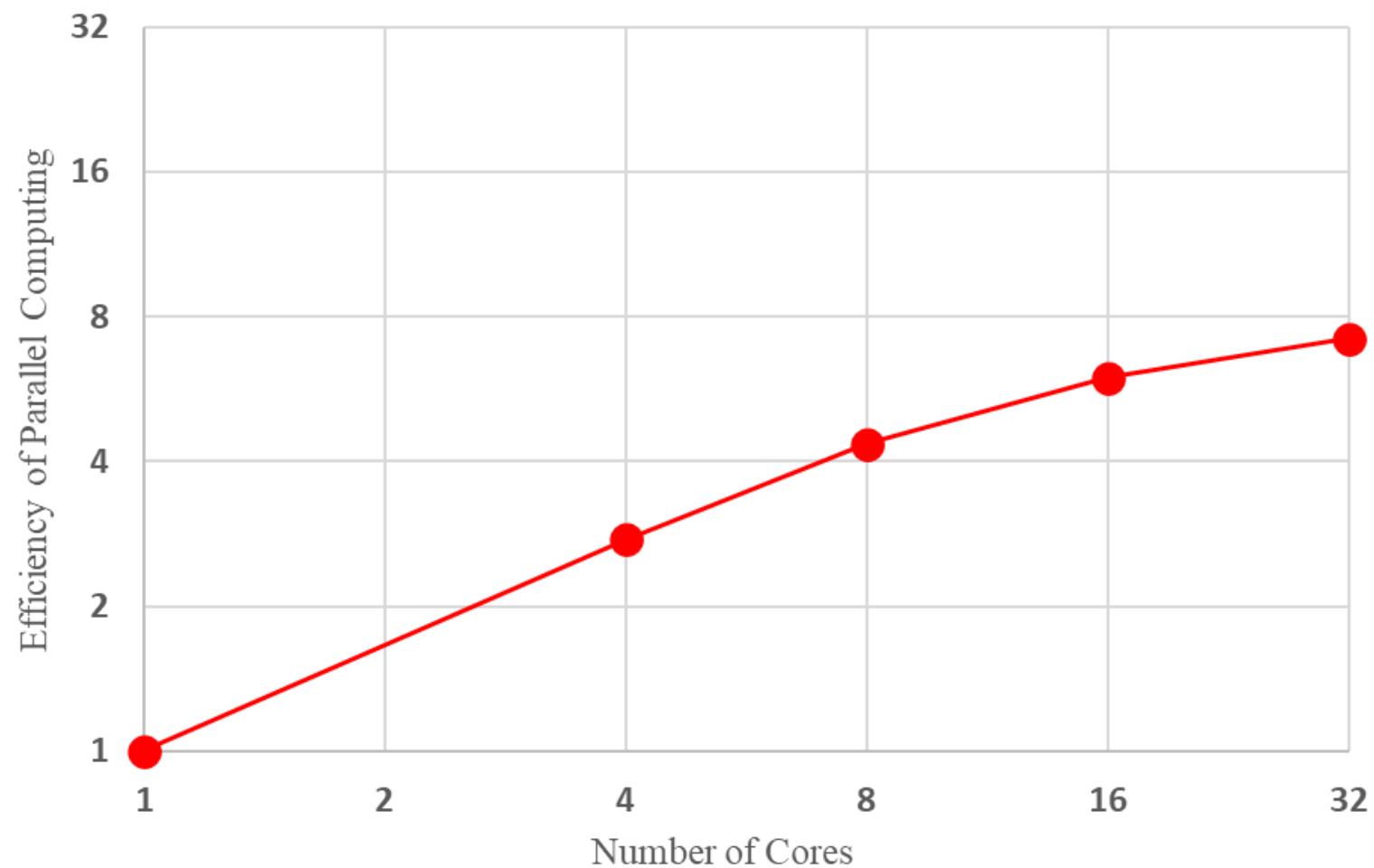
- Default settings are applied unless otherwise specified.
- 2nd-order element for the element type is selected.
- Matrix solver type is set to [Automatic]. Results for 64 bits are only shown.

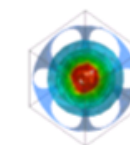
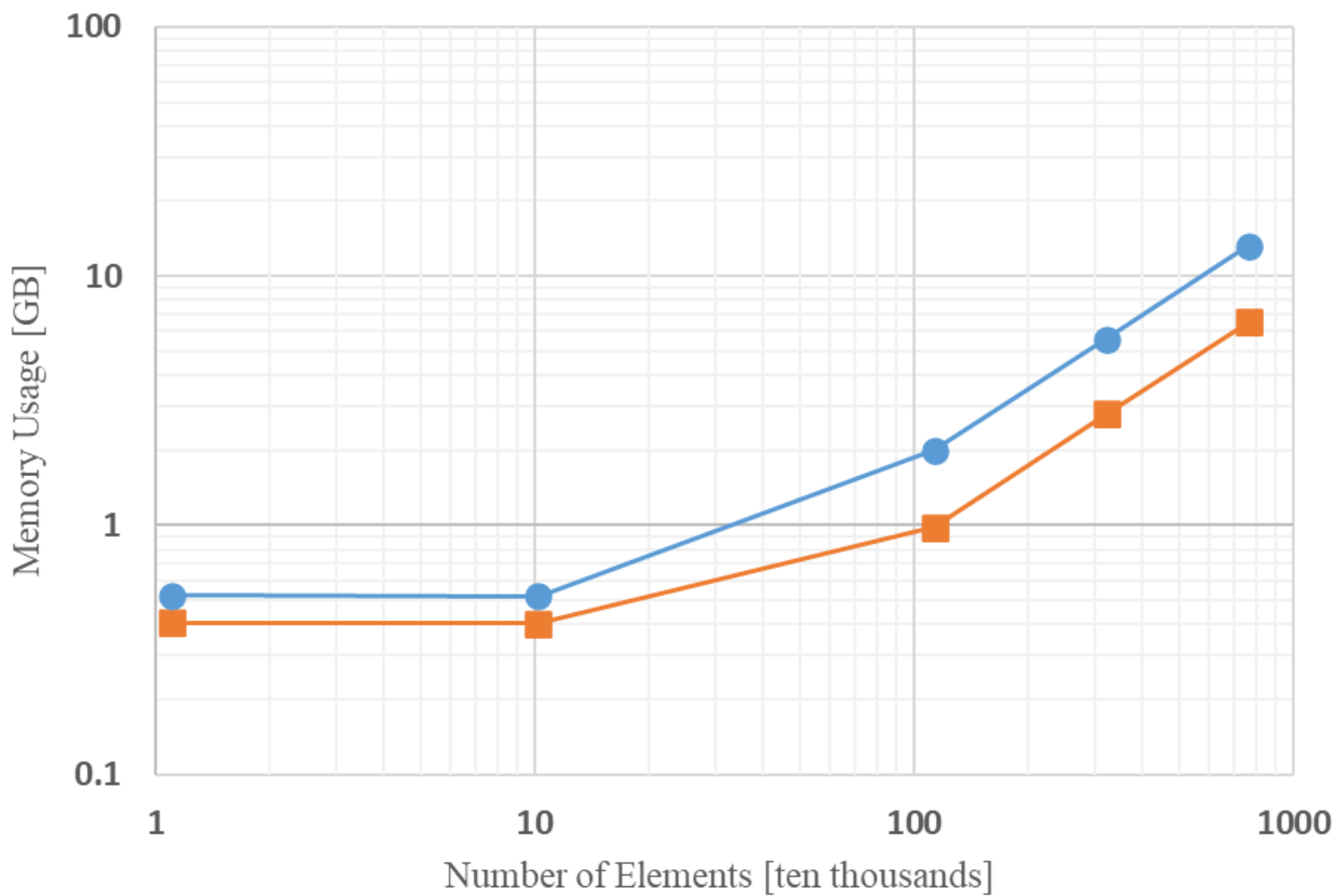
(In the electric analysis, the iterative method is selected.)

- The analysis time is the value of the simulation time excluding the meshing time.
- Efficiency of parallel computing is the result when Accelerator is enabled.
- The simulation results depend on the analysis model. The results on the following pages are for your reference only.



## Electric Analysis    Efficiency of Parallel Computing (3 Million elements)







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