

Femtet Magnetic 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 Fluid Solver in Femtet

Analysis Time

Efficiency of Parallel Computing

Memory Usage

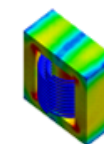
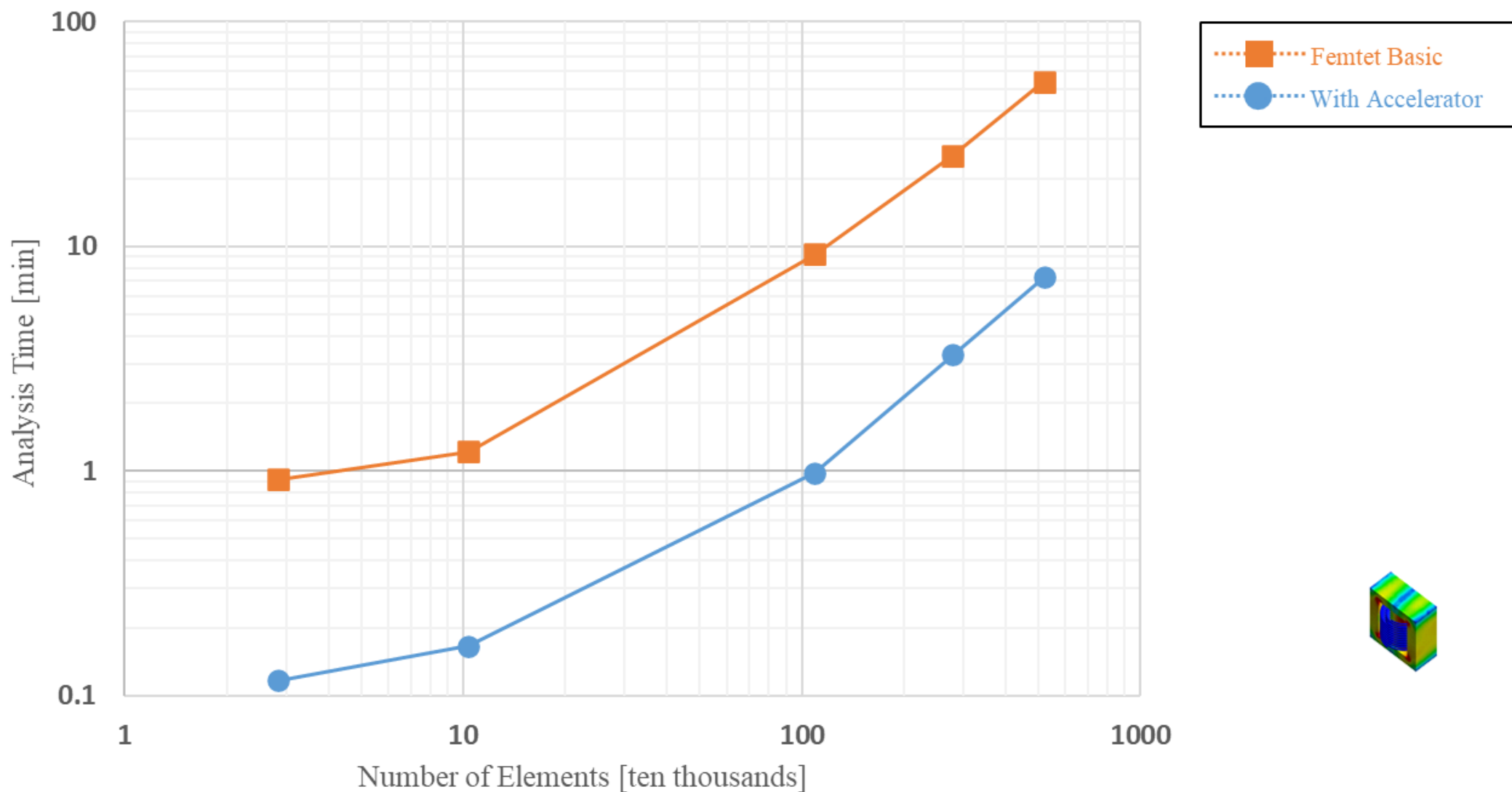
- System

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

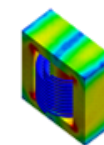
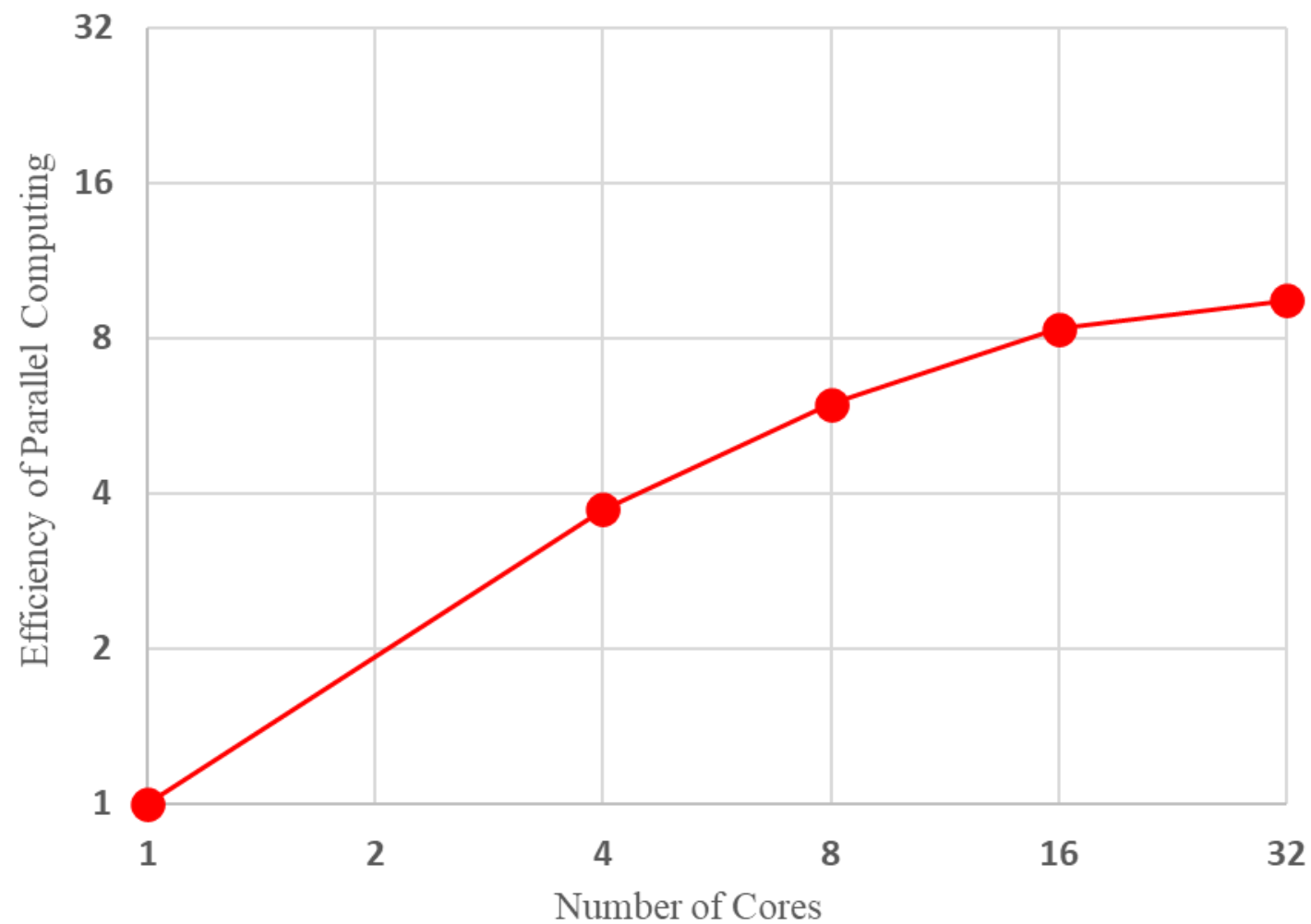
- Default settings are applied unless otherwise specified.
- 2nd-order element for the element type is selected.
- Matrix solver type is set to [Automatic]. Results for 64 bits are only shown.

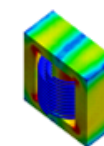
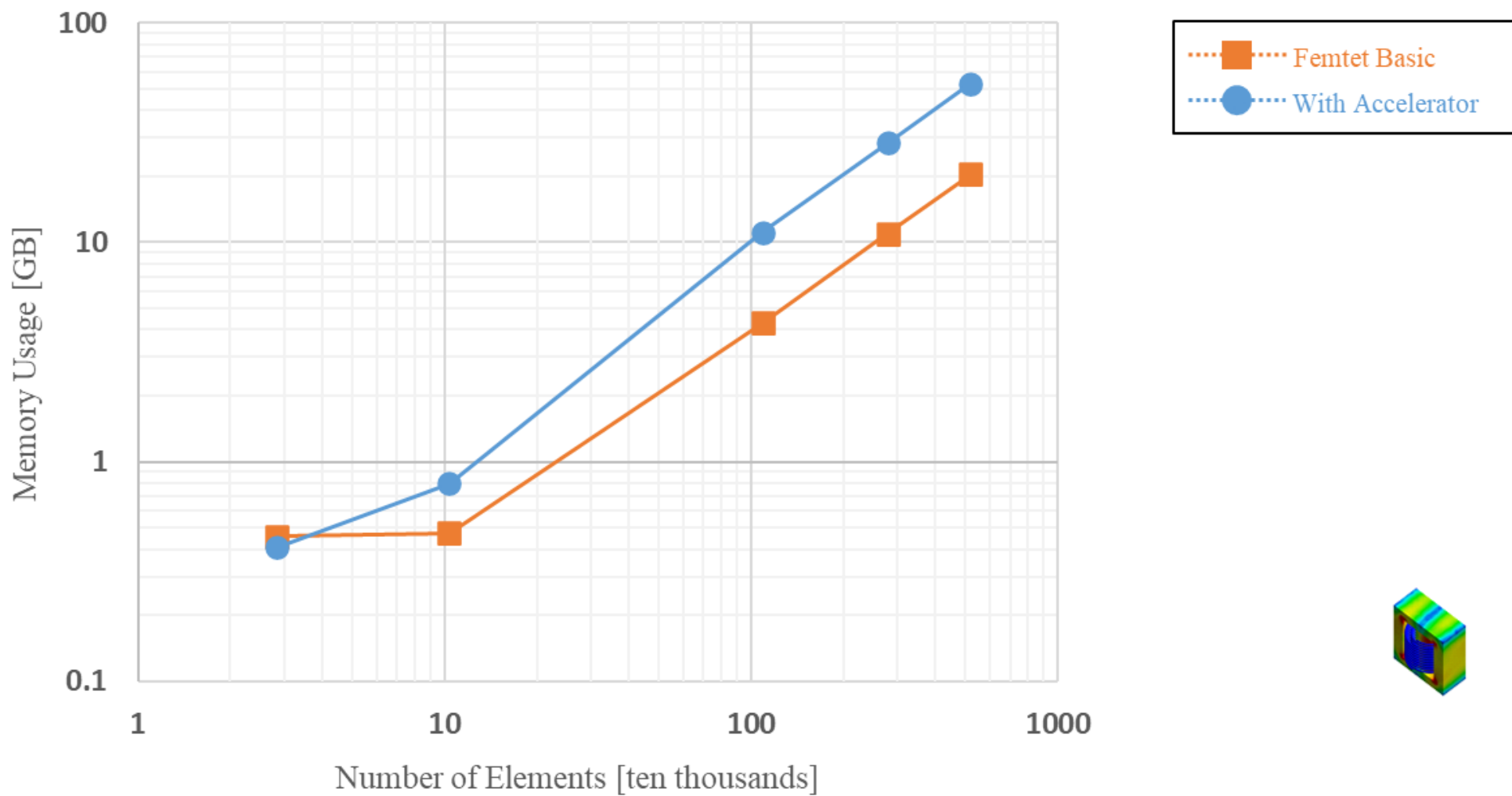
(In the static analysis of the magnetic solver, the iterative method is selected.)

- 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.



Magnetic Analysis Efficiency of Parallel Computing (1 Million elements)







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