

Femtet Stress Analysis Benchmark

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

Memory: 512 GB

Version: Femtet2025.0.0

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

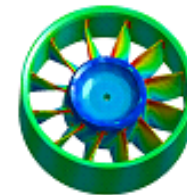
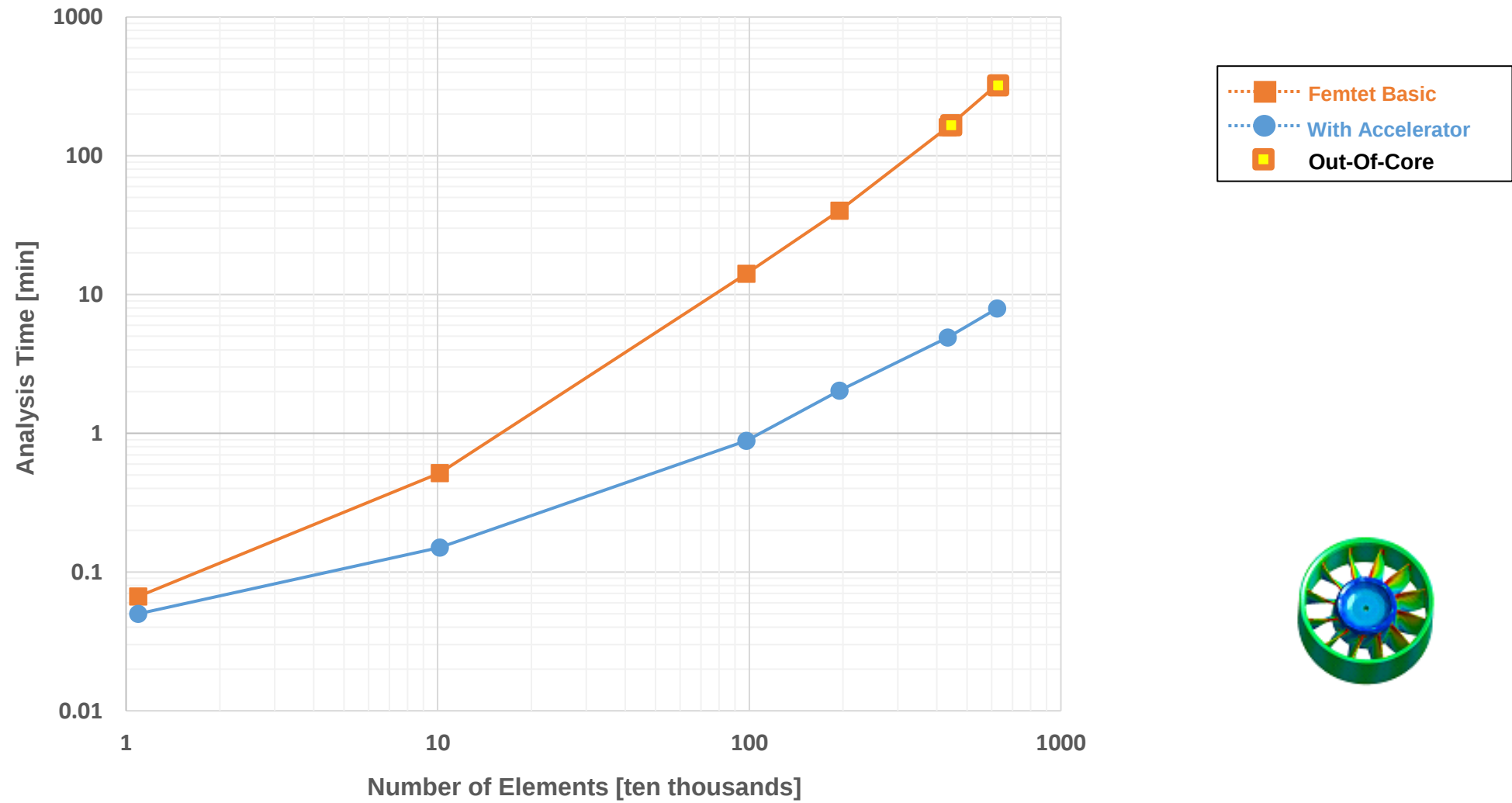
Memory Usage

- System

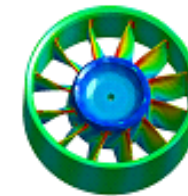
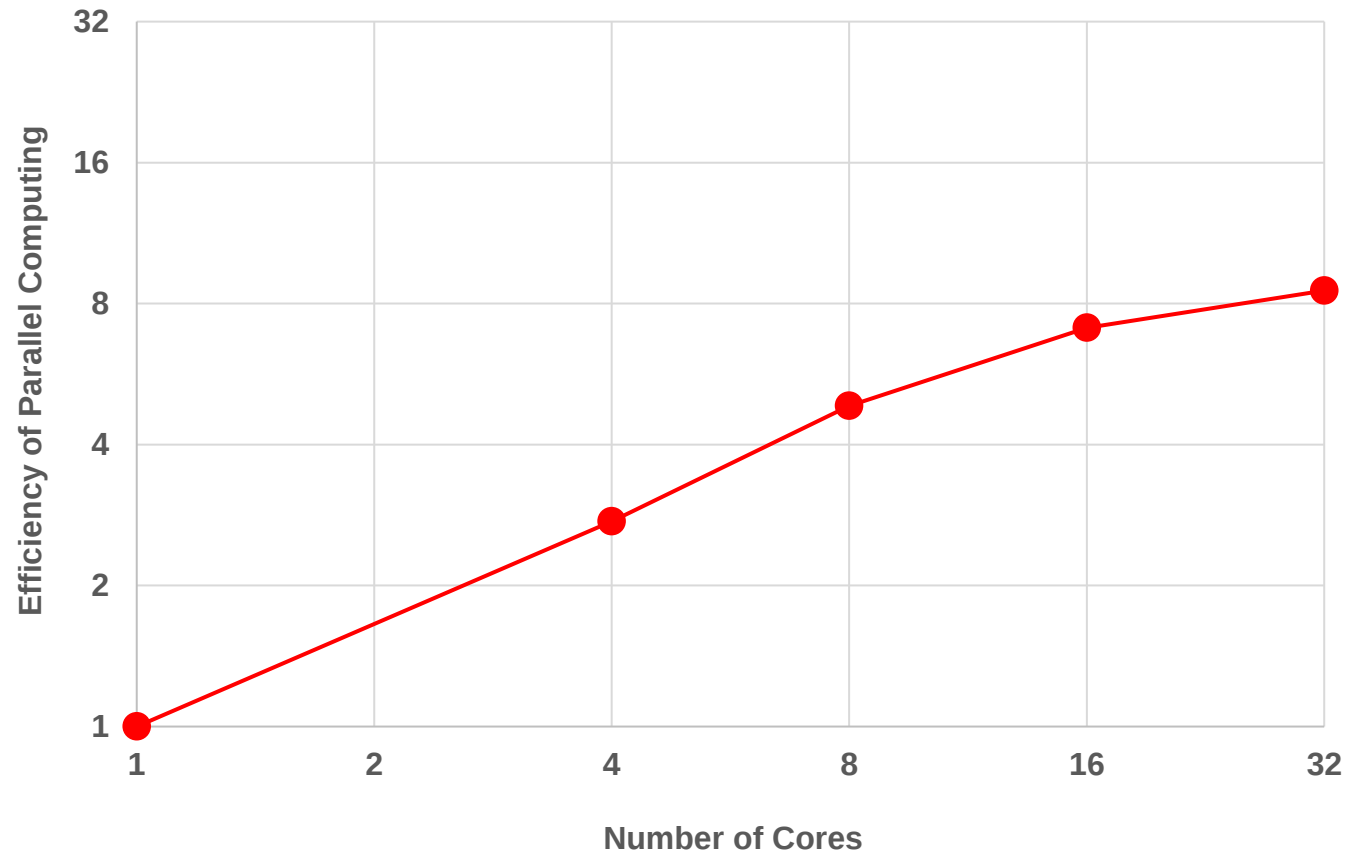
CPU	Intel Xeon W-3375 2.5 GHz 38 cores L3 cache 57 MB
Memory	512 GB DDR4
Graphics	NVIDIA T1000 (for Graphics)
SDD	M.2 4 TB
OS	Windows 10 Pro 64 bit
Femtet	2025.0.0

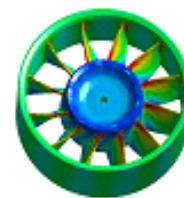
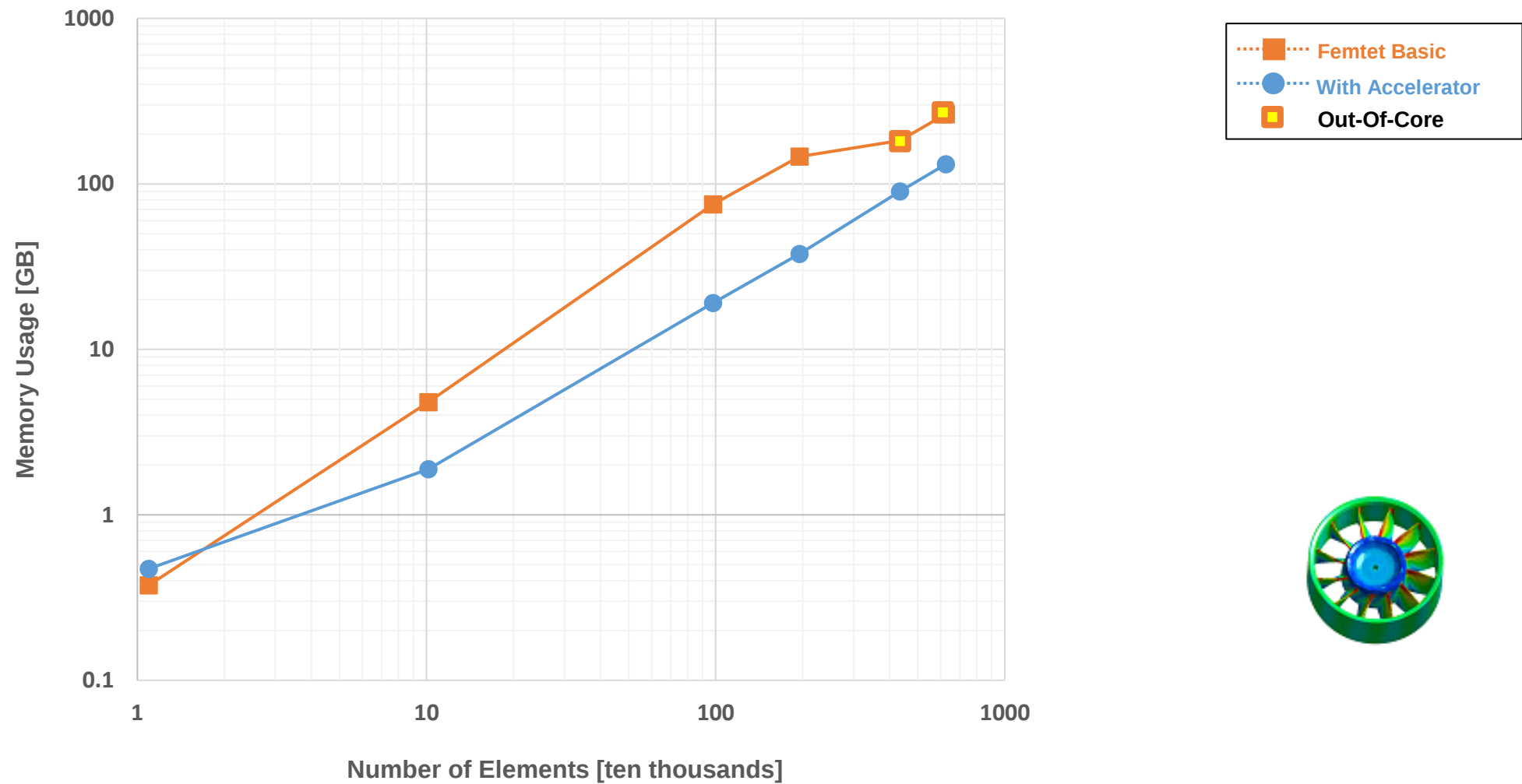
- Default settings are applied unless otherwise specified.
- 2nd-order element for the element type is selected.
- Matrix solver type is set to [Automatic]. Results for 64 bits are only shown.
(When Femet Accelerator is available, the iterative method is selected. Otherwise, the direct method is selected.)
- 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.

Stress Analysis Analysis Time



Stress Analysis Efficiency of Parallel Computing (1 Million elements)







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