

Construction and maintenance of quality engineering tools

Report Number : R17EH2900

Subject Category : Common Business

URL : <https://www.jss.jaxa.jp/ar/e2017/4452/>

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● Abstract

Application of optimization software to JSS

● Reasons for using of JSS2

To reduce the calculation time of the simulation

● Achievements of the Year

We found that our In-house optimization software could be used by JSS.

● Publications

N/A

● Usage of JSS2

● Computational Information

Parallelization Methods	MPI
Thread Parallelization Methods	N/A
Number of Processes	81
Elapsed Time per Case	1,083.73 seconds

● Resources Used

Fraction of Usage in Total Resources*1 (%): 0.01

Details

Computing Resources		
System Name	Amount of Core Time (core x hours)	Fraction of Usage*2 (%)
SORA-MA	0.00	0.00
SORA-PP	671.17	0.01
SORA-LM	0.00	0.00
SORA-TPP	0.00	0.00

File System Resources		
File System Name	Storage assigned(GiB)	Fraction of Usage*2 (%)
/home	014.31	0.01
/data	48,971.20	0.91
/ltmp	2,929.69	0.22

Archiver Resources		
Archiver System Name	Storage used(TiB)	Fraction of Usage*2 (%)
J-SPACE	0.00	0.00

*1 Fraction of Usage in Total Resources: Weighted average of three resource types (computing, file system, and archiver)

*2 Fraction of Usage: Percentage of usage relative to each resource used in one year