Table 1

M100						
Grid 512x257x256	Slab					
PhaseFieldOff						10.00
Nodes	Ntasks	Elapsed Time (s)	N (Ideal Scaling)	t/tn (Actual Scaling)		을 7.75
1	32	0.900	1	1.00		5.50 → FLOW3
2	64	0.607	2	1.48		5.50 ► FLOW3
4	128	0.344	4	2.62		3.25
8	256	0.220	8	4.09		100
M100						1.00 0 2 4 6 8
Grid 512x257x256	Slab					Nodes
PhaseFieldOn	Olab					
Nodes	Ntasks	Elapsed Times	N (Ideal Scaling)	t/tn (Actual Scaling)		7.75
1	32	2.3831	1	1.00		
2		1.6612	2	1.43		₹ 5.50 FLOW3
4	128	0.8757	4	2.72		- Ideal
8	256	0.565	8	4.22		3.25
						1.00
M100						0 2 4 6 8
Grid 512x256x257	Pencil					Nodes
PhaseFieldOn	1 GHOII					40.00
Nodes	Ntasks	Elapsed Times	N (Ideal Scaling)	t/tn (Actual Scaling)	Notes	7.75
1	32	3.98	1	1.00	4 x 8	9
2	64	2.046	2	1.95	8 x 8	5.50 ► FLOW3 ► Ideal
4	128	0.9694	4	4.11	8 x16	— Ideal
8	256	0.4711	8	8.45	16 x 16	3.25
M100						1.00
M100	Pencil	Refined				0 2 4 6 8
Grid 512x256x513 PhaseFieldOn+InitialFields	Fencii	nelilieu				Nodes
On						
Nodes	Ntasks	Elapsed Times	N (Ideal Scaling)	t/tn (Actual Scaling)	Notes	30.00
1	32	9.808	1	1.00	4 x 8	22.75
2		5.208	2		8 x 8	물 : : : : : : : : : : : : : : : : : :
4	128	2.146	4		8 x 16	9 15.50 • FLOW3 • Ideal
8	256	1.118	8		16 x 16	— Ideal
16		0.393	16		16 x 32	8.25
32	1024					1.00
						0 4 8 12 16
M100						Nodes
	1					

Grid 512x256x257	Pencil				
PhaseFieldOn + DR + VR					
Nodes	Ntasks	Elapsed Times	N (Ideal Scaling)	t/tn (Actual Scaling)	Notes
1	32	20.060	1	1.00	4 x 8
2	64	10.646	2	1.88	8 x 8
4	128	4.565	4	4.39	8 x16
8	256	2.293	8	8.75	16 x 16
16	512	0.800	16	25.08	16 x 32

