	Solver $u_f$	LU D	LU S	GM S	GM S	LU D	LU S	GM S	GM S	LU D	LU S	GM S	GM S	
	$u_p = u_g$	_	_	D	S	_	_	D	S	_	_	D	S	
ID	$ au_b$	T: ()					Memory (GB)				Nb LU solves			
$\mathbb{Z}$	full-rank	265.2	154.0	166.5	163.3	272.0	138.0	171.3	138.0	1	3	5	7	
ElectroPhys10M	1E-10	101.0	70.5	73.7	72.7	158.0	84.5	84.6	84.6	2	3	5	7	
Ph	1E-08	93.1	70.0	72.8	72.1	157.0	80.6	82.2	82.2	2	3	5	7	
ctro	1E-06	91.1	64.9	68.2	68.5	149.0	77.8	79.6	79.6	3	3	6	10	
E	1E-04	88.3	66.3	69.3	70.8	143.0	73.6	77.0	77.0	4	4	7	13	
	1E-02 1E-01	89.8 97.8	71.4 73.6	75.0 81.0	128.1 119.5	147.0 147.0	73.6 71.8	73.6 73.4	73.6 73.4	9	9	11 24	125 115	
DrivAer6M	full-rank	91.8	67.6	77.9	77.4	81.6	41.7	52.9	41.7	1	3	5	7	
Æ	1E-10	55.6	43.7	46.5	46.9	54.5	28.2	28.2	28.2	2	6	7	10	
Dri	1E-08 1E-06	54.3 62.6	<b>42.2</b> 47.8	44.8 44.7	46.1 45.8	51.9 49.3	26.9 25.5	26.9 25.5	26.9 25.5	4 15	6 15	7 9	11 13	
	1E-04	02.0	47.0	73.2	106.2	49.3	23.3	24.0	24.0	-	-	45	95	
	1E-02	_	_	248.4	404.3	_	_	22.7	22.7	_	_	256	502	
	1E-01	_	_	471.3	1490.4	_	_	22.4	41.0	_	_	528	1997	
		2015	1060			0.41.0	101 0			1	7			
t31	full-rank 1E-10	294.5	136.2 158.8	157.9 174.0	176.3 181.2	241.0 188.0	121.0 118.0	169.9 169.9	121.0 118.0	1 2	7	15 16	56 55	
tminlet3M	1E-08	204.9	149.7	165.3	182.7	171.0	114.0	161.9	114.0	3	7	17	79	
Ħ	1E-06	179.0	88.3	98.8	105.5	154.0	82.4	93.8	82.8	5	7	16	54	
	1E-04	_	_	105.6	116.3	-	_	70.9	70.9	_	_	69	181	
	full-rank	46.1	57.5	52.0	110.0	55.6	28.9	38.1	28.9	1	28	16	92	
perf009ar	1E-10	32.9	40.3	36.9	83.1	38.7	20.5	25.6	20.5	2	22	15	94	
erfC	1E-08	33.6	41.5	37.3	88.0	37.1	19.7	22.8	19.7	4	26	16	107	
d	1E-06	_	_	40.9	187.8	_	_	20.0	18.6	_	_	25	280	
	1E-04	_	_	658.3	_	_	_	36.6	_	_	_	949	_	
	1E-02	_	_	2224.1	_	_	_	98.1	_	_	_	3338	_	
39	full-rank	156.7	_	118.6	-	153.0	_	103.6	_	1	_	11	_	
elasticity-3d	1E-10	110.2	_	82.3	_	95.5	_	72.1	_	2	_	10	_	
stic	1E-08	96.3	_	68.6	_	91.6	_	56.8	_	5	_	10	_	
<u>6</u>	1E-06	_	_	57.9	_	_	_	44.1	_	_	_	13	_	
	1E-04	_		125.3	_			39.0		_		121		
2₩	full-rank	536.2	254.5	269.3	353.6	312.0	157.0	187.5	157.0	1	4	5	46	
and	1E-10	313.3	199.8	210.0	230.9	240.0	141.0	147.6	144.0	2	4	7	37	
lfm_aug5M	1E-08	260.2	119.2	130.1	162.3	218.0	112.0	116.0	116.0	3	4	9	60	
<u>—</u>	1E-06		100.4		131.3	199.0	107.0	107.0	107.0	4	4	9	47	
	1E-04 1E-02	212.3	95.8	105.4 482.6	124.7 1111.0	200.0	101.0	103.0 96.8	103.0 96.8	22	20	19 367	65 1763	
CarBody25M	full-rank	62.9	_	109.8	_	77.6	_	54.3	_	1	_	24	_	
ody	1E-10 1E-08	63.3 68.9		90.8 91.3	_	65.5 64.8	_	44.0 41.8	_	3	_	23 23	_	
arBo	1E-06	00.9	_	299.4		04.0		55.8		6		140		
thmgas	full-rank	97.6	65.4	79.8	79.6	192.0	97.7	141.7	97.7	1	4	7	10	
hm	1E-10	88.9	63.7	75.8	69.5	137.0 131.0	70.9	110.5	71.0	2	4	7	7	
-	1E-08 1E-06	81.3 85.1	59.5 61.4	66.1 65.6	66.7 70.8	118.0	67.5 61.4	92.1 70.4	67.6 61.5	3	4 8	7 9	7 13	
	1E-04	-	-	147.5	131.4	-	-	53.7	53.7	_	_	53	48	
	1E-02	_	_		2380.8	_	_	45.5	45.5	_	_	523	1259	
	1E-01	_	_		3155.2	_	_	48.9	43.7	_	_	1399	1649	