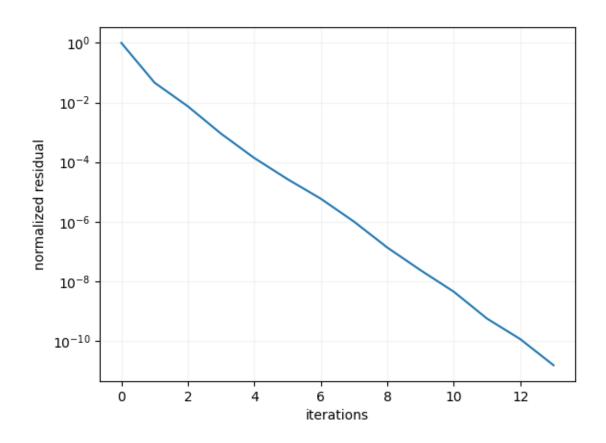
MultilevelSolver Number of Levels: Operator Complexity: 10 3.818 Grid Complexity: 2.032 Coarse Solver: 'splu' level unknowns nonzeros 24656 1683200 [26.19%] 0 13872 1438208 [22.38%] 6384 1403392 [21.84%] 2848 1062656 [16.53%] 1312 561152 [8.73%] 592 210176 [3.27%] 256 53248 [0.83%] 112 12544 [0.20%] 2304 [0.04%] 16 256 [0.00%]

[12.547704697048077, 0.5806897657677398, 0.09358110215155843, 0.011280914356808138, 0.001718771537750761, 0.00033513 24388196483, 7.413496697502577e-05, 1.2575763125704846e-05, 1.7030173182540374e-06, 2.9572341730552024e-07, 5.607809 579334339e-08, 7.023025758779954e-09, 1.4370781502677598e-09, 1.9137269124106715e-10] AMG solver results

n	iter	- 1	rho	0pCx	GdCx	Work	
24656	14		0.17	3.8	2	4.9	

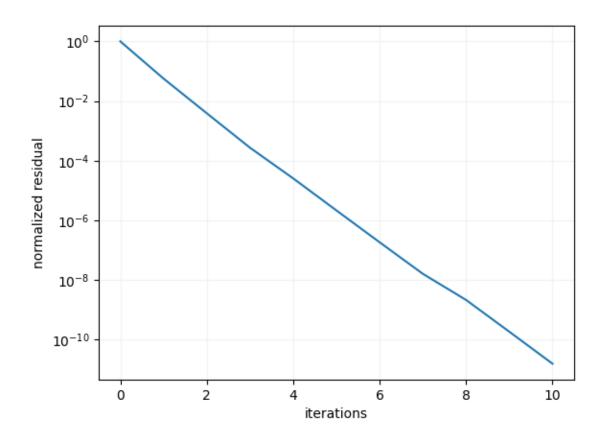


MultilevelSolver Number of Levels: 10 Operator Complexity: 3.555 Grid Complexity: 1.990 Coarse Solver: 'splu' level unknowns nonzeros 24656 1683200 [28.13%] 1412096 [23.60%] 1263872 [21.12%] 13744 6144 960256 [16.05%] 464384 [7.76%] 3 2496 1136 480 135680 [2.27%] 6 240 50688 [0.85%] 12544 [0.21%] 1024 [0.02%] 112 8 32 16 256 [0.00%]

 $[8.683895760746099, \ 0.49124836138629585, \ 0.03374710991915815, \ 0.0023581357749602925, \ 0.00022023728924598456, \ 1.8573037778906878e-05, \ 1.5842704062807548e-06, \ 1.3868441588523175e-07, \ 1.8440343487023657e-08, \ 1.5870008605430659e-09, \ 1.3868565461066524e-10]$

AMG solver results

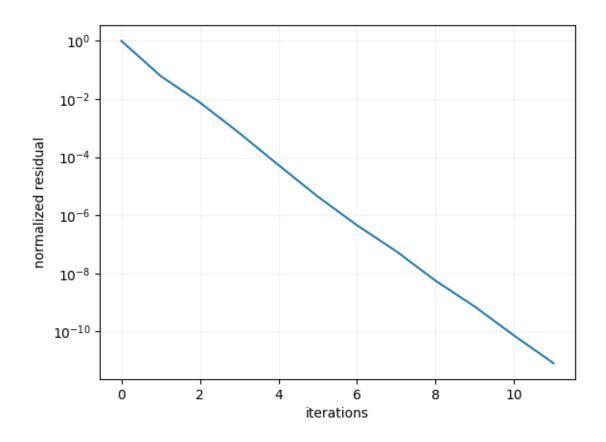
n		iter		rho		0pCx		GdCx	- 1	Work	
24656	1	11	1	0.1	- 1	3.6	- 1	2	- 1	3.6	



MultilevelSolver Number of Levels: 11 Operator Complexity: 3.591 Grid Complexity: Coarse Solver: 1.999 'splu' level unknowns nonzeros nonzeros 1683200 [27.85%] 1419008 [23.48%] 1257984 [20.81%] 924672 [15.30%] 24656 0 13744 6048 2544 472576 [7.82%] 195840 [3.24%] 4 1168 592 66560 [1.10%] 6 288 19200 [0.32%] 4096 [0.07%] 1024 [0.02%] 144 64 8 32 9 10 16 256 [0.00%]

[8.604155473104075, 0.534664123416188, 0.06502367958209745, 0.005875371038981982, 0.0004593112575605562, 3.790174906 699753e-05, 3.886713893786205e-06, 4.930654706383032e-07, 4.777431277223174e-08, 6.1376581730938854e-09, 6.181267954 222958e-10, 6.970568113658435e-11] AMG solver results

n	iter	rho	OpCx	GdCx	Work
24656	12	0.12	3.6	2	3.9



MultilevelSolver Number of Levels: 10 Operator Complexity: 3.539 Grid Complexity: 1.990 'splu' Coarse Solver: level unknowns nonzeros 0 24656 1683200 [28.25%] 13744 1419008 [23.82%] 6048 1257984 [21.12%] 3 2544 924672 [15.52%] 453632 [7.61%] 160000 [2.69%] 4 5 1136 512 6 240 45312 [0.76%] 11008 [0.18%] 112 2304 [0.04%] 8 48 16 256 [0.00%]

 $[8.3964715087524,\ 0.5196570428161421,\ 0.06491248006905406,\ 0.005767865474658872,\ 0.00046775286921277,\ 3.774783975138717e-05,\ 3.914775830834613e-06,\ 4.645927811862862e-07,\ 5.5384885654540616e-08,\ 6.7517531093349124e-09,\ 6.190433990240024e-10,\ 8.281627286581522e-11]$

AMG solver results

n		iter		rho		0pCx		GdCx		Work	
											-
24656	1	12	1	0.12	- 1	3.5	- 1	2	- 1	3.9	

