

TestCase 1 :

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	15.7	48.35	33.64	5.57	134.31	377.36	269.4	43.67
40	61.47	195.75	135.41	23.21	131.18	362.09	262.12	41.67

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	244.81	996.23	655.08	153.63	67.12	165.13	135.21	21.37
40	2,056.2	8,345.4	5,504.89	1,287.16	66.52	159.73	132.05	20.38

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	2,804.27	11,797.23	7,607.51	1,780.7	39.72	72.99	61.85	7.05
40	50,989.23	212,714.99	137,711.77	32,125.57	40.02	73	61.98	6.92

TestCase1 - V2 :

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	18.28	66.19	43.42	12.47	243.79	874.3	633.45	137.97
40	73.45	272.36	176.52	51.82	241.8	843.29	621.68	132.89

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	362.57	2,052.78	1,025.28	409.17	177.74	476.76	376.16	75.9
40	3,081.22	17,532.62	8,725.57	3,494.26	177.16	472.55	371.93	74.85

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	4,879.13	32,757.68	14,646.89	6,699.18	116.52	298.33	208.35	43.62
40	88,736.63	587,716.86	264,383.45	120,240.85	117.46	296.34	208.29	43.16

TestCase2 :

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	9.17	36.13	19.79	6.63	112.2	454.43	349.41	82.75
40	26.14	111.44	58.86	19.8	106.01	388.96	308.49	71.81

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	35.47	166.68	87.44	29.18	65.7	206.07	157.83	37.13
40	207.56	1,102.21	524.38	181.75	52.97	141.53	111.17	22.44

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	75.86	499.24	215.89	79.51	28.91	64.9	52.36	8
40	999.27	6,317.61	2,665.31	1,003.72	20.09	42.2	34.3	5.19

TestCase3 :

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	1.9	30.42	14.48	7.36	3.23	46.86	22.04	10.6
40	3.67	113.13	53.26	29.91	3.04	43.81	21.17	9.86

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	12.71	513.78	214.58	130.31	2.78	22.3	12.93	5.4
40	108.65	4,536.56	1,683.3	1,101.06	2.31	21.25	11.13	5.35

N	Gains on PINNs				Gains on FEM			
	min	max	mean	std	min	max	mean	std
20	78.58	4,639.66	1,463.57	1,032.5	1.35	17.88	6.77	3.51
40	804.2	80,189.96	20,835.3	18,452.89	1.03	11.5	5.11	2.8