

Grid	Mesh	DoF	Regular				Perturbed			
			$\ u - u_h\ _0$	ratio	$\ q - q_h\ _0$	ratio	$\ u - u_h\ _0$	ratio	$\ q - q_h\ _0$	ratio
SFEM	ML5	33	4.0088e-03	3.96	4.0613e-01	1.98	4.9101e-03	3.90	4.3709e-01	1.97
	ML6	65	1.0060e-03	3.98	2.0367e-01	1.99	1.1785e-03	4.17	2.1479e-01	2.03
	ML7	129	2.5175e-04	4.00	1.0191e-01	2.00	2.8344e-04	4.16	1.0588e-01	2.03
	ML8	257	6.2954e-05	4.00	5.0965e-02	2.00	7.0732e-05	4.01	5.2829e-02	2.00
	ML9	513	1.5739e-05	4.00	2.5483e-02	2.00	1.7867e-05	3.96	2.6532e-02	1.99
LSFEM	ML5	66	7.4255e-03	3.86	6.2490e-02	3.67	8.6949e-03	3.88	7.6399e-02	3.24
	ML6	130	1.8731e-03	3.96	1.5812e-02	3.95	2.0132e-03	4.32	1.7035e-02	4.48
	ML7	258	4.6933e-04	3.99	3.9654e-03	3.99	5.2286e-04	3.85	4.6915e-03	3.63
	ML8	514	1.1740e-04	4.00	9.9212e-04	4.00	1.2784e-04	4.09	1.0984e-03	4.27
	ML9	1026	2.9354e-05	4.00	2.4808e-04	4.00	3.2207e-05	3.97	2.8095e-04	3.91

$L^2$ -error using  $P_1$  element.

Grid	Mesh	DoF	Regular				Perturbed			
			$\ u - u_h\ _0$	ratio	$\ q - q_h\ _0$	ratio	$\ u - u_h\ _0$	ratio	$\ q - q_h\ _0$	ratio
SFEM	ML5	65	1.0309e-04	7.63	2.5606e-02	3.70	1.5393e-04	6.40	3.1336e-02	3.25
	ML6	129	1.2996e-05	7.93	6.4460e-03	3.97	1.5394e-05	10.00	6.9473e-03	4.51
	ML7	257	1.6280e-06	7.98	1.6144e-03	3.99	2.2641e-06	6.80	1.9115e-03	3.63
	ML8	513	<b>2.1161e-07</b>	<b>7.69</b>	<b>4.0848e-04</b>	<b>3.95</b>	2.5053e-07	9.04	4.4795e-04	4.27
	ML9	1025	<b>5.6061e-08</b>	<b>3.77</b>	<b>1.4710e-04</b>	<b>2.78</b>	4.0439e-08	6.20	1.2476e-04	3.59
LSFEM	ML5	130	1.0783e-04	8.75	2.8585e-03	8.28	1.6588e-04	7.57	4.4999e-03	7.23
	ML6	258	1.3151e-05	8.20	3.6421e-04	7.85	1.5645e-05	10.60	4.4568e-04	10.10
	ML7	514	1.6329e-06	8.05	4.5724e-05	7.97	2.2738e-06	6.88	5.7850e-05	7.70
	ML8	1026	2.0377e-07	8.01	5.7217e-06	7.99	2.4825e-07	9.16	7.2610e-06	7.97
	ML9	2050	2.5461e-08	8.00	7.1541e-07	8.00	3.2512e-08	7.64	9.0852e-07	7.99

$L^2$ -error using  $P_2$  element.

Grid	Mesh	Regular			Perturbed		
		CG	CG-JACOBI	CG-AMG	CG	CG-JACOBI	CG-AMG
LSFEM	ML5	32	32	10	66	64	11
	ML6	64	64	15	134	128	16
	ML7	128	128	25	270	256	26
	ML8	256	256	44	542	515	45
	ML9	512	512	79	1086	1036	82

Number of iterations using  $P_1$  element.

Grid	Mesh	Regular			Perturbed		
		CG	CG-JACOBI	CG-AMG	CG	CG-JACOBI	CG-AMG
LSFEM	ML5	68	66	27	152	138	28
	ML6	141	138	42	310	284	44
	ML7	286	284	70	638	581	72
	ML8	578	577	123	1292	1177	127
	ML9	1163	1166	231	2626	2380	236

Number of iterations using  $P_2$  element.