1 CDR

- Imposing Dirichlet bc at the left boundary and Neumann at the right;
- Considering $\epsilon = 0$;
- Type II fluxes ("non-conservative").

Table 1: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c1; uniform mesh; $\epsilon = 0$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	6.48E+02	✓	8.76E−04	—	5.66E−04	—	7.61E−04	—
$\mathbb{P}_1$	40	2.59E+03	✓	2.14E−04	2.03	1.42E−04	2.00	1.92E−04	1.99
	80	1.04E+04	✓	5.28E−05	2.02	3.54E−05	2.00	4.82E−05	1.99
	20	8.25E+02	✓	7.53E−05	—	1.40E−04	—	3.33E−04	—
$\mathbb{P}_2$	40	3.30E+03	✓	9.55E−06	2.98	3.61E−05	1.95	8.64E−05	1.95
	80	1.32E+04	✓	1.20E−06	2.99	9.19E−06	1.97	2.20E−05	1.97
	20	1.02E+03	✓	4.41E−06	—	6.53E−07	—	7.67E−07	—
$\mathbb{P}_3$	40	4.08E+03	✓	2.78E−07	3.99	4.07E−08	4.01	5.30E−08	3.86
	80	1.63E+04	✓	1.75E−08	3.99	2.53E−09	4.01	3.47E−09	3.93
	20	1.18E+03	✓	2.00E−07	—	2.39E−08	—	5.60E−08	—
$\mathbb{P}_4$	40	4.74E+03	✓	6.36E−09	4.98	2.07E−09	3.53	5.53E−09	3.34
	80	1.89E+04	✓	2.01E−10	4.99	1.59E−10	3.70	4.06E−10	3.77
	20	1.35E+03	✓	8.78E−09	—	1.80E−09	—	2.09E−09	—
$\mathbb{P}_5$	40	5.42E+03	✓	1.40E−10	5.97	2.70E−11	6.06	3.07E−11	6.09
	80	2.17E+04	✓	2.24E−12	5.96	3.50E−13	6.27	4.77E−13	6.01

Table 2: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c2; uniform mesh; $\epsilon = 0$).

	I	cond(A)	$A^{-1} \geq 0$	$\mathrm{E}_{c,1}$	$\mathrm{O}_{c,1}$	E_1	O_1	E_∞	O_∞
$\mathbb{P}_1$	20	1.28E+05	×	1.77E−02	—	1.03E+02	—	4.90E+02	—
	40	1.50E+11	×	4.62E−03	1.94	2.37E+07	↑	1.37E+08	↑
	80	1.92E+17	×	1.18E−03	1.97	5.72E+13	↑	3.69E+14	↑
$\mathbb{P}_2$	20	1.00E+02	×	9.29E−04	—	3.54E−04	—	6.86E−04	—
	40	3.87E+02	×	1.22E−04	2.93	7.50E−05	2.24	1.18E−04	2.53
	80	1.54E+03	×	1.57E−05	2.96	1.86E−05	2.02	2.79E−05	2.09
$\mathbb{P}_3$	20	1.29E+02	✓	4.15E−05	—	6.11E−06	—	1.72E−05	—
	40	5.17E+02	✓	2.68E−06	3.95	3.79E−07	4.01	1.15E−06	3.91
	80	2.07E+03	✓	1.70E−07	3.98	2.41E−08	3.97	7.40E−08	3.95
$\mathbb{P}_4$	20	1.88E+02	✓	1.65E−06	—	2.54E−07	—	5.83E−07	—
	40	7.50E+02	✓	5.43E−08	4.93	1.26E−08	4.33	2.36E−08	4.63
	80	3.00E+03	✓	1.74E−09	4.96	7.78E−10	4.02	1.18E−09	4.32
$\mathbb{P}_5$	20	2.00E+02	✓	1.24E−07	—	6.70E−09	—	2.10E−08	—
	40	7.98E+02	✓	2.02E−09	5.94	8.78E−11	6.25	3.72E−10	5.82
	80	3.19E+03	✓	3.23E−11	5.97	1.33E−12	6.04	6.28E−12	5.89

Table 3: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c1; uniform mesh; $\epsilon = \frac{h}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$\mathrm{E}_{c,1}$	$\mathrm{O}_{c,1}$	E_1	O_1	E_∞	O_∞
$\mathbb{P}_1$	20	6.48E+02	✓	4.26E−03	—	3.38E−02	—	6.63E−02	—
	40	2.59E+03	✓	1.06E−03	2.01	1.70E−02	1.00	3.36E−02	0.98
	80	1.04E+04	✓	2.65E−04	2.00	8.49E−03	1.00	1.69E−02	0.99
$\mathbb{P}_2$	20	8.75E+02	✓	1.15E−04	—	1.12E−03	—	2.13E−03	—
	40	3.40E+03	✓	1.44E−05	3.00	2.81E−04	2.00	5.40E−04	1.98
	80	1.34E+04	✓	1.80E−06	3.00	7.03E−05	2.00	1.36E−04	1.99
$\mathbb{P}_3$	20	1.13E+03	✓	4.73E−06	—	3.86E−05	—	7.34E−05	—
	40	4.29E+03	✓	2.95E−07	4.00	4.82E−06	3.00	9.40E−06	2.96
	80	1.67E+04	✓	1.84E−08	4.00	6.02E−07	3.00	1.19E−06	2.98
$\mathbb{P}_4$	20	1.50E+03	×	1.91E−07	—	6.55E−07	—	1.26E−06	—
	40	5.40E+03	×	5.98E−09	5.00	4.12E−08	3.99	8.14E−08	3.95
	80	2.03E+04	×	1.87E−10	5.00	2.57E−09	4.00	5.15E−09	3.98
$\mathbb{P}_5$	20	2.47E+03	×	7.90E−09	—	2.97E−08	—	6.22E−08	—
	40	7.96E+03	×	1.24E−10	6.00	1.10E−09	4.75	2.25E−09	4.79
	80	2.72E+04	×	1.96E−12	5.98	3.64E−11	4.92	7.35E−11	4.93

Table 4: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c2; uniform mesh; $\epsilon = \frac{h}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	4.68E+03	×	1.28E−02	—	8.69E−01	—	5.88E+00	—
$\mathbb{P}_1$	40	1.56E+07	×	3.24E−03	1.98	3.45E+02	↑	4.60E+03	↑
	80	1.75E+14	×	8.16E−04	1.99	4.68E+08	↑	1.25E+10	↑
	20	5.53E+02	✓	4.92E−04	—	1.16E−03	—	2.08E−03	—
$\mathbb{P}_2$	40	2.15E+03	✓	6.40E−05	2.94	2.80E−04	2.05	5.01E−04	2.05
	80	8.48E+03	✓	8.16E−06	2.97	6.89E−05	2.02	1.23E−04	2.03
	20	6.38E+02	✓	2.19E−05	—	1.23E−04	—	2.32E−04	—
$\mathbb{P}_3$	40	2.47E+03	✓	1.39E−06	3.98	1.57E−05	2.96	3.06E−05	2.93
	80	9.72E+03	✓	8.80E−08	3.99	1.99E−06	2.98	3.92E−06	2.96
	20	8.37E+02	✓	1.27E−06	—	4.79E−06	—	9.36E−06	—
$\mathbb{P}_4$	40	3.18E+03	✓	4.11E−08	4.94	3.25E−07	3.88	6.54E−07	3.84
	80	1.24E+04	✓	1.31E−09	4.97	2.10E−08	3.95	4.31E−08	3.92
	20	8.96E+02	✓	6.32E−08	—	4.13E−07	—	7.97E−07	—
$\mathbb{P}_5$	40	3.39E+03	✓	9.99E−10	5.98	1.38E−08	4.90	2.73E−08	4.87
	80	1.32E+04	✓	1.57E−11	5.99	4.49E−10	4.95	8.95E−10	4.93

Table 5: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c3; uniform mesh; $\epsilon = \frac{h}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	6.48E+02	✓	4.25E−03	—	3.37E−02	—	6.61E−02	—
$\mathbb{P}_1$	40	2.59E+03	✓	1.06E−03	2.00	1.69E−02	0.99	3.35E−02	0.98
	80	1.04E+04	✓	2.65E−04	2.00	8.48E−03	1.00	1.69E−02	0.99
	20	8.75E+02	✓	1.27E−04	—	1.31E−03	—	2.50E−03	—
$\mathbb{P}_2$	40	3.40E+03	✓	1.52E−05	3.07	3.05E−04	2.11	5.88E−04	2.09
	80	1.34E+04	✓	1.85E−06	3.04	7.33E−05	2.06	1.42E−04	2.05
	20	1.12E+03	✓	6.86E−06	—	7.97E−05	—	1.54E−04	—
$\mathbb{P}_3$	40	4.29E+03	✓	3.63E−07	4.24	7.46E−06	3.42	1.46E−05	3.39
	80	1.67E+04	✓	2.06E−08	4.14	7.69E−07	3.28	1.52E−06	3.27
	20	1.48E+03	×	4.15E−07	—	5.95E−06	—	1.16E−05	—
$\mathbb{P}_4$	40	5.40E+03	×	9.36E−09	5.47	2.02E−07	4.88	3.99E−07	4.86
	80	1.93E+04	✓	2.96E−08	↑	1.96E−06	↑	3.90E−06	↑
	20	2.39E+03	×	3.04E−08	—	5.87E−07	—	1.14E−06	—
$\mathbb{P}_5$	40	5.75E+03	✓	1.77E−08	0.79	7.10E−07	↑	1.40E−06	↑
	80	2.23E+04	✓	3.77E−10	5.55	3.04E−08	4.54	6.04E−08	4.54

Table 6: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c4; uniform mesh; $\epsilon = \frac{h}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	4.66E+03	$\times$	9.50E−03	—	9.81E−01	—	4.93E+00	—
$\mathbb{P}_1$	40	1.95E+07	$\times$	2.41E−03	1.98	8.65E+02	↑	4.50E+03	↑
	80	4.34E+14	$\times$	6.06E−04	1.99	4.06E+09	↑	1.62E+10	↑
	20	5.60E+02	✓	3.52E−04	—	6.37E−04	—	1.48E−03	—
$\mathbb{P}_2$	40	2.16E+03	✓	4.57E−05	2.95	1.88E−04	1.76	4.31E−04	1.77
	80	8.51E+03	✓	5.82E−06	2.97	5.07E−05	1.89	1.16E−04	1.89
	20	6.56E+02	✓	1.53E−05	—	2.74E−05	—	6.02E−05	—
$\mathbb{P}_3$	40	2.51E+03	✓	9.80E−07	3.97	4.19E−06	2.71	8.77E−06	2.78
	80	9.80E+03	✓	6.21E−08	3.98	5.77E−07	2.86	1.18E−06	2.90
	20	8.76E+02	✓	1.16E−06	—	2.55E−06	—	4.95E−06	—
$\mathbb{P}_4$	40	3.26E+03	✓	3.83E−08	4.92	1.76E−07	3.86	3.34E−07	3.89
	80	1.25E+04	✓	1.24E−09	4.95	1.17E−08	3.91	2.19E−08	3.93
	20	9.97E+02	✓	5.51E−08	—	2.15E−07	—	4.29E−07	—
$\mathbb{P}_5$	40	3.61E+03	✓	8.80E−10	5.97	7.80E−09	4.79	1.54E−08	4.80
	80	1.36E+04	✓	1.40E−11	5.98	2.62E−10	4.90	5.16E−10	4.90

Table 7: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c1; uniform mesh; $\epsilon = \frac{h^2}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	6.48E+02	✓	9.92E−04	—	1.19E−03	—	2.55E−03	—
$\mathbb{P}_1$	40	2.59E+03	✓	2.28E−04	2.12	2.97E−04	2.00	6.47E−04	1.98
	80	1.04E+04	✓	5.46E−05	2.06	7.42E−05	2.00	1.63E−04	1.99
	20	8.27E+02	✓	7.05E−05	—	9.70E−05	—	2.50E−04	—
$\mathbb{P}_2$	40	3.30E+03	✓	9.24E−06	2.93	3.08E−05	1.65	7.59E−05	1.72
	80	1.32E+04	✓	1.18E−06	2.97	8.53E−06	1.85	2.07E−05	1.88
	20	1.02E+03	✓	4.25E−06	—	1.41E−06	—	2.19E−06	—
$\mathbb{P}_3$	40	4.08E+03	✓	2.73E−07	3.96	8.88E−08	3.99	1.40E−07	3.97
	80	1.63E+04	✓	1.73E−08	3.98	5.58E−09	3.99	8.85E−09	3.99
	20	1.19E+03	✓	1.95E−07	—	2.28E−08	—	4.92E−08	—
$\mathbb{P}_4$	40	4.74E+03	✓	6.27E−09	4.96	1.92E−09	3.57	5.19E−09	3.25
	80	1.90E+04	✓	1.99E−10	4.98	1.53E−10	3.65	3.93E−10	3.72
	20	1.36E+03	✓	8.57E−09	—	1.07E−09	—	4.89E−09	—
$\mathbb{P}_5$	40	5.42E+03	✓	1.38E−10	5.96	1.84E−11	5.87	8.80E−11	5.80
	80	2.17E+04	✓	2.23E−12	5.95	3.37E−13	5.77	1.55E−12	5.82

Table 8: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c2; uniform mesh; $\epsilon = \frac{h^2}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	4.68E+03	×	9.52E−03	—	8.66E−01	—	5.82E+00	—
$\mathbb{P}_1$	40	1.56E+07	×	2.41E−03	1.98	3.45E+02	↑	4.60E+03	↑
	80	1.72E+14	×	6.06E−04	1.99	4.68E+08	↑	1.25E+10	↑
	20	5.25E+02	✓	3.51E−04	—	4.89E−04	—	1.20E−03	—
$\mathbb{P}_2$	40	2.09E+03	✓	4.56E−05	2.94	1.41E−04	1.79	3.41E−04	1.81
	80	8.36E+03	✓	5.81E−06	2.97	3.77E−05	1.91	9.04E−05	1.91
	20	5.99E+02	✓	1.52E−05	—	6.12E−06	—	1.12E−05	—
$\mathbb{P}_3$	40	2.39E+03	✓	9.77E−07	3.96	4.35E−07	3.82	8.10E−07	3.79
	80	9.56E+03	✓	6.20E−08	3.98	3.14E−08	3.79	6.03E−08	3.75
	20	7.52E+02	✓	1.16E−06	—	8.60E−07	—	2.02E−06	—
$\mathbb{P}_4$	40	3.00E+03	✓	3.84E−08	4.92	6.80E−08	3.66	1.59E−07	3.66
	80	1.20E+04	✓	1.24E−09	4.96	4.65E−09	3.87	1.10E−08	3.86
	20	7.99E+02	✓	5.47E−08	—	2.72E−08	—	5.72E−08	—
$\mathbb{P}_5$	40	3.19E+03	✓	8.76E−10	5.96	7.88E−10	5.11	1.77E−09	5.01
	80	1.27E+04	✓	1.39E−11	5.98	2.34E−11	5.07	5.44E−11	5.03

Table 9: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c3; uniform mesh; $\epsilon = \frac{h^2}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	6.48E+02	✓	9.91E−04	—	1.18E−03	—	2.53E−03	—
$\mathbb{P}_1$	40	2.59E+03	✓	2.28E−04	2.12	2.97E−04	1.99	6.47E−04	1.97
	80	1.04E+04	✓	5.46E−05	2.06	7.42E−05	2.00	1.63E−04	1.99
	20	8.27E+02	✓	6.93E−05	—	8.47E−05	—	2.25E−04	—
$\mathbb{P}_2$	40	3.30E+03	✓	9.20E−06	2.91	3.00E−05	1.50	7.43E−05	1.60
	80	1.32E+04	✓	1.18E−06	2.96	8.48E−06	1.82	2.06E−05	1.85
	20	1.02E+03	✓	4.10E−06	—	2.97E−06	—	5.06E−06	—
$\mathbb{P}_3$	40	4.08E+03	✓	2.71E−07	3.92	1.36E−07	4.45	2.29E−07	4.47
	80	1.63E+04	✓	1.73E−08	3.97	7.02E−09	4.28	1.16E−08	4.30
	20	1.19E+03	✓	1.80E−07	—	1.58E−07	—	3.39E−07	—
$\mathbb{P}_4$	40	4.74E+03	✓	6.16E−09	4.87	3.94E−09	5.33	9.44E−09	5.17
	80	1.90E+04	✓	5.00E−10	3.62	1.69E−08	↑	3.36E−08	↑
	20	1.36E+03	✓	7.13E−09	—	1.52E−08	—	2.71E−08	—
$\mathbb{P}_5$	40	5.42E+03	✓	6.01E−10	3.57	1.10E−08	0.47	2.16E−08	0.33
	80	2.17E+04	✓	6.52E−12	6.53	2.23E−10	5.62	4.43E−10	5.61

Table 10: Numerical results of pure diffusion for $\phi(x) = \exp(x)$, $\kappa(x) = 1$, and $u(x) = 0$ (c4; uniform mesh; $\epsilon = \frac{h^2}{2}$).

	I	cond(A)	$A^{-1} \geq 0$	$E_{c,1}$	$O_{c,1}$	E_1	O_1	E_∞	O_∞
	20	4.66E+03	$\times$	9.36E−03	—	8.64E−01	—	5.74E+00	—
$\mathbb{P}_1$	40	1.55E+07	$\times$	2.39E−03	1.97	3.58E+02	$\uparrow$	4.54E+03	$\uparrow$
	80	1.70E+14	$\times$	6.03E−04	1.98	5.26E+08	$\uparrow$	1.23E+10	$\uparrow$
	20	5.25E+02	✓	3.44E−04	—	5.59E−04	—	1.33E−03	—
$\mathbb{P}_2$	40	2.09E+03	✓	4.51E−05	2.93	1.50E−04	1.89	3.58E−04	1.89
	80	8.36E+03	✓	5.78E−06	2.96	3.89E−05	1.95	9.28E−05	1.95
	20	5.99E+02	✓	1.57E−05	—	1.78E−06	—	5.84E−06	—
$\mathbb{P}_3$	40	2.39E+03	✓	9.93E−07	3.98	1.07E−07	4.06	3.58E−07	4.03
	80	9.56E+03	✓	6.25E−08	3.99	8.90E−09	3.58	1.60E−08	4.49
	20	7.52E+02	✓	1.18E−06	—	6.57E−07	—	1.61E−06	—
$\mathbb{P}_4$	40	3.00E+03	✓	3.88E−08	4.93	6.04E−08	3.44	1.45E−07	3.48
	80	1.20E+04	✓	1.24E−09	4.96	4.40E−09	3.78	1.05E−08	3.79
	20	7.99E+02	✓	5.62E−08	—	8.48E−09	—	2.40E−08	—
$\mathbb{P}_5$	40	3.19E+03	✓	8.90E−10	5.98	4.67E−10	4.18	1.17E−09	4.36
	80	1.27E+04	✓	1.40E−11	5.99	1.82E−11	4.68	4.43E−11	4.72

2 Biharmonic

- manufactured solutions
- 01_01 – ψ_{L}=ψ_{LL}=1 and ψ_{R}=ψ_{RR}=exp(1); $\psi(x) = \exp(x)$;
- 02_02 – ψ_{L}=1, M_{L}=−1, ψ_{R}=exp(1), and M_{R}=−exp(1); $\psi(x) = \exp(x)$
- 01_23 – ψ_{L}=ψ_{LL}=1, M_{R}=G_{R}=−exp(1); $\psi(x) = \exp(x)$;

Table 11: Test of 01_01 with d and d+1.

		$\omega = 1\|1$				$\omega = 1\|3$			
	I	$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$
$\mathbb{P}_3$	50	1.50E−05	—	2.37E−05	—	3.71E−07	—	7.30E−07	—
	100	1.90E−06	2.98	2.98E−06	2.99	1.12E−07	1.72	2.12E−07	1.78
	150	5.55E−07	3.03	8.69E−07	3.04	4.90E−08	2.04	9.32E−08	2.03
	200	2.30E−07	3.07	3.58E−07	3.08	2.85E−08	1.88	5.38E−08	1.91
$\mathbb{P}_3/\mathbb{P}_4$	50	1.63E−05	—	2.56E−05	—	2.26E−07	—	5.00E−07	—
	100	1.97E−06	3.05	3.09E−06	3.05	7.36E−08	1.62	1.52E−07	1.72
	150	5.70E−07	3.07	8.89E−07	3.07	7.02E−08	0.12	1.27E−07	0.44
	200	2.34E−07	3.09	3.64E−07	3.10	3.29E−08	2.63	6.04E−08	2.58

Table 12: Test of 02_02 with d and d+1.

		$\omega = 1\|1$				$\omega = 1\|3$			
	I	$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$
$\mathbb{P}_3$	50	1.94E−04	—	2.92E−04	—	8.90E−08	—	2.21E−07	—
	100	4.91E−05	1.98	7.41E−05	1.98	3.43E−06	↑	5.22E−06	↑
	150	2.19E−05	1.99	3.31E−05	1.99	1.06E−06	2.90	1.66E−06	2.83
	200	1.24E−05	1.99	1.86E−05	1.99	4.94E−07	2.65	7.58E−07	2.71
$\mathbb{P}_3/\mathbb{P}_5$	50	2.00E−04	—	3.01E−04	—	5.73E−06	—	9.08E−06	—
	100	5.05E−05	1.98	7.63E−05	1.98	6.05E−06	↑	9.19E−06	↑
	150	2.24E−05	2.01	3.38E−05	2.01	2.11E−06	2.60	3.28E−06	2.54
	200	1.26E−05	2.01	1.90E−05	2.01	1.71E−06	0.73	2.63E−06	0.76

Table 13: Test of 01_23 with d and d+1.

	I	$\omega = 1\|1$				$\omega = 1\|3$			
		$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$
$\mathbb{P}_3$	50	9.02E−01	—	2.65E+00	—	7.17E−01	—	2.11E+00	—
	100	8.98E−01	0.01	2.67E+00	↑	5.70E−01	0.33	1.69E+00	0.31
	150	8.97E−01	0.00	2.67E+00	↑	6.73E−01	↑	2.01E+00	↑
	200	8.97E−01	0.00	2.68E+00	↑	6.15E−01	0.32	1.83E+00	0.31
$\mathbb{P}_3/\mathbb{P}_6$	50	1.15E+02	—	3.38E+02	—	7.93E−01	—	2.33E+00	—
	100	9.04E−01	6.99	2.69E+00	6.97	5.93E−01	0.42	1.76E+00	0.41
	150	6.22E+00	↑	1.85E+01	↑	9.13E−01	↑	2.72E+00	↑
	200	1.18E+01	↑	3.52E+01	↑	1.26E+01	↑	3.76E+01	↑

Table 14: Test of 01_01 with d and d+1 (homogenuous bc's)

	I	$\omega = 1\|1$				$\omega = 1\|3$			
		$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,1}$	$O_{0,1}$	$E_{0,\infty}$	$O_{0,\infty}$
$\mathbb{P}_3$	50	1.50E−05	—	2.37E−05	—	1.63E−05	—	2.56E−05	—
	100	1.90E−06	2.98	2.98E−06	2.99	1.97E−06	3.05	3.09E−06	3.05
	150	5.55E−07	3.03	8.69E−07	3.04	5.70E−07	3.07	8.89E−07	3.07
	200	2.30E−07	3.07	3.58E−07	3.08	2.34E−07	3.09	3.64E−07	3.10
$\mathbb{P}_3/\mathbb{P}_4$	50	2.14E−09	—	3.63E−09	—	1.92E−09	—	2.89E−09	—
	100	7.89E−11	4.76	1.19E−10	4.93	5.88E−11	5.03	9.28E−11	4.96
	150	1.33E−11	4.38	2.05E−11	4.35	7.83E−12	4.98	1.25E−11	4.95
	200	5.71E−12	2.95	8.68E−12	2.98	3.56E−12	2.74	5.79E−12	2.67
$\mathbb{P}_5$	50	1.51E−05	—	2.38E−05	—	1.64E−05	—	2.57E−05	—
	100	1.90E−06	2.99	2.99E−06	2.99	1.98E−06	3.05	3.09E−06	3.05
	150	5.56E−07	3.04	8.70E−07	3.04	5.71E−07	3.07	8.90E−07	3.07
	200	2.30E−07	3.07	3.58E−07	3.08	2.34E−07	3.09	3.65E−07	3.10
$\mathbb{P}_5/\mathbb{P}_6$	50	2.16E−09	—	3.64E−09	—	1.92E−09	—	2.90E−09	—
	100	7.86E−11	4.78	1.19E−10	4.94	5.87E−11	5.03	9.25E−11	4.97
	150	1.40E−11	4.25	2.18E−11	4.19	6.17E−12	5.56	9.60E−12	5.59
	200	4.09E−12	4.29	5.80E−12	4.60	1.87E−12	4.15	2.70E−12	4.41