1 Dirichlet Conservation

•
$$E_{0,\infty} \to |\widehat{\phi} - \phi|$$

•
$$E_{1,\infty} \to |\widehat{\phi'} - \phi'|$$

Table 1: Results of the reconstruction in the Dirichlet B. $(\alpha=0)$; $\phi(x)=\exp(x)$.

20 -	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	0	_	0	_	0	_	0	_	0	_
0.5	0	_	0	_	0	_	0	_	0	_
0.25	0	_	0	_	0	_	0		0	_
0.125	0	_	0	_	0	_	0		0	_
0.0625	0	_	0	_	0	_	0		0	_

Table 2: Results of the reconstruction in the Dirichlet B. - derivative (α =0); $\phi(x)$ = $\exp(x)$.

<i>v</i> .	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$
1	4.54E-01	_	7.56E-02	_	8.85E-03	_	6.24E-04	_	3.87E-05	_
0.5	1.98E-01	1.19	1.59E-02	2.25	9.09E-04	3.28	3.18E-05	4.29	9.76E-07	5.31
0.25	9.31E-02	1.09	3.67E-03	2.12	1.03E-04	3.14	1.80E-06	4.14	2.75E-08	5.15
0.125	4.51E-02	1.05	8.80E-04	2.06	1.23E-05	3.07	1.07E-07	4.07	8.14E-10	5.08
0.0625	2.22E-02	1.02	2.16E-04	2.03	1.50E-06	3.03	6.51E-09	4.04	2.48E-11	5.04

Table 3: Results of the reconstruction in the Dirichlet B. $(\alpha = h)$; $\phi(x) = \exp(x)$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$
1	9.70E-02	_	7.04E-03	_	3.08E-04	_	1.49E-05	_	5.31E-07	_
0.5	1.17E-02	3.06	4.05E-04	4.12	8.47E - 06	5.18	2.04E-07	6.19	3.56E-09	7.22
0.25	1.42E-03	3.04	2.44E-05	4.06	2.49E-07	5.09	2.99E-09	6.09	2.59E-11	7.10
0.125	1.74E-04	3.02	1.49E-06	4.03	7.56E-09	5.04	4.54E-11	6.04	1.95E-13	7.05
0.0625	2.16E-05	3.01	9.26E-08	4.01	2.33E-10	5.02	6.99E-13	6.02	1.55E-15	_

Table 4: Results of the reconstruction in the Dirichlet B. - derivative ($\alpha = h$); $\phi(x) = \exp(x)$.

ν.	<u>d=1</u>		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$
1	2.73E-01	_	3.65E-02	_	5.63E-03	_	3.73E-04	_	2.58E-05	_
0.5	1.56E-01	0.81	1.15E-02	1.66	7.35E-04	2.94	2.50E-05	3.90	8.05E-07	5.00
0.25	8.29E-02	0.91	3.14E-03	1.87	9.31E-05	2.98	1.60E-06	3.97	2.50E-08	5.01
0.125	4.26E-02	0.96	8.16E-04	1.94	1.17E-05	2.99	1.01E-07	3.99	7.77E-10	5.01
0.0625	2.16E-02	0.98	2.08E-04	1.97	1.47E-06	3.00	6.33E-09	3.99	2.42E-11	5.01

Table 5: Results of the reconstruction in the Dirichlet B. ($\alpha = 0.5$); $\phi(x) = \exp(x)$.

× -	d=1		d=2		d=3		d=4		d=5	
x_f	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$
1	9.70E-02		9.88E-03	_	6.56E-04		3.65E-05		1.65E-06	
0.5	2.21E-02	2.14	1.07E-03	3.21	3.42E - 05	4.26	9.42E-07	5.28	2.10E-08	6.30
0.25	5.28E-03	2.06	1.24E-04	3.10	1.96E-06	4.13	2.68E-08	5.14	2.97E-10	6.15
0.125	1.29E-03	2.03	1.50E-05	3.05	1.17E-07	4.06	7.99E-10	5.07	4.41E-12	6.07
0.0625	3.20E-04	2.01	1.85E-06	3.02	7.16E-09	4.03	2.44E-11	5.03	6.71E-14	6.04

Table 6: Results of the reconstruction in the Dirichlet B. - derivative ($\alpha = 0.5$); $\phi(x) = \exp(x)$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$
1	2.73E-01	_	2.02E-02		1.80E-03		2.49E-07	_	1.89E-06	_
0.5	1.17E-01	1.23	4.04E-03	2.32	1.78E-04	3.34	2.64E-07	\uparrow	5.36E-08	5.14
0.25	5.39E-02	1.11	9.03E-04	2.16	1.98E-05	3.17	2.24E-08	3.56	1.59E-09	5.07
0.125	2.60E-02	1.05	2.14E-04	2.08	2.34E-06	3.08	1.56E-09	3.84	4.86E-11	5.04
0.0625	1.27E-02	1.03	5.19E-05	2.04	2.84E-07	3.04	1.02E-10	3.93	1.51E-12	5.01

Table 7: Results of the reconstruction in the Dirichlet B. $(\alpha=0)$; $\phi(x)=x^5$.

26 -	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	0		0		0		0		0	_
0.5	0	_	0	_	0	_	0	_	0	
0.25	0	_	0		0	_	0		0	
0.125	0	_	0	_	0	_	0	_	0	
0.0625	0	_	0		0		0		0	_

Table 8: Results of the reconstruction in the Dirichlet B. - derivative (α =0); $\phi(x) = x^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$
1	2.85E-01	_	4.19E-01	_	2.70E-01	_	5.00E-02	_	1.17E-15	_
0.5	1.78E-02	4.00	2.62E-02	4.00	1.69E-02	4.00	3.12E-03	4.00	7.31E-17	_
0.25	1.11E-03	4.00	1.64E-03	4.00	1.06E-03	4.00	1.95E-04	4.00	4.57E-18	_
0.125	6.96E-05	4.00	1.02E-04	4.00	6.60E-05	4.00	1.22E-05	4.00	2.86E-19	_
0.0625	4.35E-06	4.00	6.39E-06	4.00	4.13E-06	4.00	7.62E-07	4.00	1.79E-20	_

Table 9: Results of the reconstruction in the Dirichlet B. $(\alpha = h)$; $\phi(x) = x^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	4.69E-02	_	3.49E-02	_	9.19E-03	_	1.20E-03	_	3.01E-18	_
0.5	8.96E-04	5.71	6.23E-04	5.81	1.55E-04	5.89	2.01E-05	5.91	4.15E-19	_
0.25	1.56E-05	5.85	1.05E-05	5.89	2.53E-06	5.94	3.26E-07	5.95	4.04E-21	_
0.125	2.57E-07	5.92	1.70E-07	5.94	4.04E-08	5.97	5.19E-09	5.97	3.91E-23	_
0.0625	4.13E-09	5.96	2.72E-09	5.97	6.38E-10	5.98	8.19E-11	5.99	5.82E-26	_

Table 10: Results of the reconstruction in the Dirichlet B. - derivative ($\alpha = h$); $\phi(x) = x^5$.

.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$
1	1.91E-01	_	2.17E-01	_	1.73E-01	_	2.99E-02	_	1.61E-16	_
0.5	1.43E-02	3.74	1.91E-02	3.51	1.37E-02	3.66	2.46E-03	3.60	9.91E-17	_
0.25	9.95E-04	3.85	1.40E-03	3.77	9.52E-04	3.84	1.74E-04	3.82	4.00E-18	_
0.125	6.57E - 05	3.92	9.46E - 05	3.89	6.27E - 05	3.92	1.15E-05	3.91	1.59E-19	_
0.0625	4.23E-06	3.96	6.15E-06	3.94	4.02E-06	3.96	7.41E-07	3.96	9.49E-22	

Table 11: Results of the reconstruction in the Dirichlet B. ($\alpha = 0.5$); $\phi(x) = x^5$.

**	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$
1	4.69E-02	_	4.65E-02		1.89E-02	_	3.00E-03	_	6.23E-17	_
0.5	1.46E-03	5.00	1.45E-03	5.00	5.92E-04	5.00	9.38E-05	5.00	1.18E-18	_
0.25	4.58E-05	5.00	4.54E-05	5.00	1.85E-05	5.00	2.93E-06	5.00	6.80E-20	_
0.125	1.43E-06	5.00	1.42E-06	5.00	5.78E-07	5.00	9.16E-08	5.00	3.87E-23	_
0.0625	4.47E-08	5.00	4.43E-08	5.00	1.81E-08	5.00	2.86E-09	5.00	2.85E-23	_

Table 12: Results of the reconstruction in the Dirichlet B. - derivative ($\alpha = 0.5$); $\phi(x) = x^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$								
1	1.91E-01	_	1.45E-01		6.32E-02		8.36E-04	_	8.70E-16	_
0.5	1.20E-02	4.00	9.09E-03	4.00	3.95E-03	4.00	5.22E-05	4.00	2.60E-17	_
0.25	7.48E-04	4.00	5.68E-04	4.00	2.47E-04	4.00	3.27E-06	4.00	1.67E-18	_
0.125	4.67E-05	4.00	3.55E-05	4.00	1.54E-05	4.00	2.04E-07	4.00	9.76E-21	_
0.0625	2.92E-06	4.00	2.22E-06	4.00	9.64E-07	4.00	1.28E-08	4.00	1.62E-21	_

Table 13: Results of the reconstruction in the Dirichlet B. $(\alpha=0)$; $\phi(x)=(1+x)^5$.

20	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	0		0	_	0		0	_	0	_
0.5	0	_	0	_	0	_	0	_	0	
0.25	0	_	0	_	0	_	0	_	0	
0.125	0	_	0	_	0	_	0	_	0	
0.0625	0	_	0	_	0	_	0	_	0	_

Table 14: Results of the reconstruction in the Dirichlet B. - derivative (α =0); $\phi(x)$ = $(1+x)^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$
1	1.43E+01		5.75E+00		9.92E-01		5.00E-02		1.78E-15	_
0.5	5.04E+00	1.51	1.10E+00	2.39	1.07E-01	3.21	3.12E-03	4.00	5.33E-15	_
0.25	2.10E+00	1.26	2.37E-01	2.21	1.23E-02	3.12	1.95E-04	4.00	3.55E-15	_
0.125	9.59E-01	1.13	5.49E-02	2.11	1.48E-03	3.06	1.22E-05	4.00	4.44E-15	_
0.0625	4.58E-01	1.07	1.32E-02	2.06	1.80E-04	3.03	7.62E-07	4.00	2.66E-15	_

Table 15: Results of the reconstruction in the Dirichlet B. $(\alpha = h)$; $\phi(x) = (1 + x)^5$.

24 .	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	2.75E+00		5.26E-01		3.46E-02		1.20E-03		4.44E-16	_
0.5	2.86E-01	3.27	2.78E-02	4.24	9.98E-04	5.11	2.01E-05	5.91	0	_
0.25	3.17E-02	3.17	1.57E-03	4.14	2.98E-05	5.07	3.26E-07	5.95	0	_
0.125	3.69E-03	3.10	9.32E-05	4.08	9.06E-07	5.04	5.19E-09	5.97	0	_
0.0625	4.44E-04	3.05	5.66E-06	4.04	2.79E-08	5.02	8.19E-11	5.99	0	

Table 16: Results of the reconstruction in the Dirichlet B. - derivative $(\alpha = h)$; $\phi(x) = (1+x)^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$						
1	9.07E+00		2.81E+00		6.31E-01		2.99E-02		1.15E-14	
0.5	3.98E+00	1.19	7.95E-01	1.82	8.66E-02	2.87	2.46E-03	3.60	7.99E-15	_
0.25	1.87E+00	1.09	2.03E-01	1.97	1.11E-02	2.96	1.74E-04	3.82	4.44E-15	_
0.125	9.06E-01	1.05	5.09E-02	2.00	1.40E-03	2.99	1.15E-05	3.91	4.09E-14	\uparrow
0.0625	4.45E-01	1.02	1.27E-02	2.00	1.76E-04	3.00	7.41E-07	3.96	3.02E-14	0.44

Table 17: Results of the reconstruction in the Dirichlet B. ($\alpha = 0.5$); $\phi(x) = (1+x)^5$.

20	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	2.75E+00		7.32E-01	_	7.40E-02		3.00E-03	_	1.44E-15	_
0.5	5.22E-01	2.40	7.22E-02	3.34	4.04E-03	4.20	9.38E-05	5.00	1.67E-15	_
0.25	1.15E-01	2.19	7.95E-03	3.18	2.34E-04	4.11	2.93E-06	5.00	4.44E-16	_
0.125	2.69E-02	2.09	9.31E-04	3.09	1.40E-05	4.06	9.16E-08	5.00	2.22E-16	_
0.0625	6.54E-03	2.04	1.13E-04	3.05	8.59E-07	4.03	2.86E-09	5.00	2.22E-16	_

Table 18: Results of the reconstruction in the Dirichlet B. - derivative ($\alpha = 0.5$); $\phi(x) = (1+x)^5$.

20 -	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	O _{1,∞}						
1	9.07E+00		1.62E+00	_	1.99E-01		8.36E-04	_	1.60E-14	
0.5	3.07E+00	1.56	2.91E-01	2.48	2.09E-02	3.25	5.22E-05	4.00	2.66E-14	\uparrow
0.25	1.25E+00	1.30	6.00E-02	2.28	2.37E-03	3.14	3.27E-06	4.00	7.99E-15	_
0.125	5.59E-01	1.16	1.35E-02	2.15	2.80E-04	3.08	2.04E-07	4.00	1.95E-14	\uparrow
0.0625	2.64E-01	1.08	3.20E-03	2.08	3.41E-05	3.04	1.28E-08	4.00	1.78E-14	0.14

Table 19: Results of the reconstruction in the Dirichlet B. (α =0); $\phi(x) = x^2$.

<i>v</i> .	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	0		0	_	0		0		0	
0.5	0	_	0		0	_	0		0	
0.25	0	_	0	_	0	_	0	_	0	
0.125	0	_	0		0	_	0		0	
0.0625	0	_	0	_	0	_	0		0	

Table 20: Results of the reconstruction in the Dirichlet B. - derivative (α =0); $\phi(x) = x^2$.

1 7.00E-01 — 1.62E-16 — 1.65E-16 — 3.41E-15 — 1.61E-15 — 0.5 3.50E-01 1.00 8.09E-17 — 8.24E-17 — 1.71E-15 — 8.06E-16 — 0.25 1.75E-01 1.00 4.04E-17 — 4.12E-17 — 8.54E-16 — 4.03E-16 —											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	26 -	d=1		d=2		d=3		d=4		d=5	
0.5 3.50E-01 1.00 8.09E-17 — 8.24E-17 — 1.71E-15 — 8.06E-16 — 0.25 1.75E-01 1.00 4.04E-17 — 4.12E-17 — 8.54E-16 — 4.03E-16 — 0.125 8.75E-02 1.00 2.02E-17 — 2.06E-17 — 4.27E-16 — 2.02E-16 —	<i>x</i> _f	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$
0.25 1.75E-01 1.00 4.04E-17 — 4.12E-17 — 8.54E-16 — 4.03E-16 — 0.125 8.75E-02 1.00 2.02E-17 — 2.06E-17 — 4.27E-16 — 2.02E-16 —	1	7.00E-01		1.62E-16		1.65E-16		3.41E-15		1.61E-15	_
0.125 8.75E-02 1.00 2.02E-17 — 2.06E-17 — 4.27E-16 — 2.02E-16 -	0.5	3.50E-01	1.00	8.09E-17	_	8.24E-17	_	1.71E-15	_	8.06E-16	_
***************************************	0.25	1.75E-01	1.00	4.04E-17	_	4.12E-17	_	8.54E-16	_	4.03E-16	_
0.0625 4.37E-02 1.00 1.01E-17 — 1.03E-17 — 2.13E-16 — 1.01E-16	0.125	8.75E-02	1.00	2.02E-17	_	2.06E-17	_	4.27E-16	_	2.02E-16	_
	0.0625	4.37E-02	1.00	1.01E-17		1.03E-17		2.13E-16		1.01E-16	

Table 21: Results of the reconstruction in the Dirichlet B. $(\alpha = h)$; $\phi(x) = x^2$.

26 -	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	1.62E-01	_	2.08E-17		4.12E-18		2.26E-17	_	1.45E-17	_
0.5	2.10E-02	2.95	3.25E-18	_	2.56E-18	_	1.50E-18	_	5.04E-18	_
0.25	2.68E-03	2.97	1.29E-19	_	7.50E-19	_	7.05E-19	_	3.15E-19	_
0.125	3.38E-04	2.99	1.11E-19	_	3.66E-20	_	9.42E-21	_	6.11E-20	_
0.0625	4.25E-05	2.99	2.08E-20	_	1.09E-20	_	1.98E-20		9.40E-22	_

Table 22: Results of the reconstruction in the Dirichlet B. - derivative ($\alpha = h$); $\phi(x) = x^2$.

.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$
1	4.00E-01	_	1.57E-16	_	1.07E-16	_	6.42E-16	_	7.40E-16	_
0.5	2.74E-01	0.55	1.11E-16	_	2.44E-16	_	2.07E-16	_	1.19E-15	_
0.25	1.56E-01	0.81	1.99E-17	_	2.90E-16	_	3.89E-16	_	3.16E-16	_
0.125	8.27E-02	0.91	6.29E-17	_	5.72E-17	_	2.17E-17	_	2.48E-16	_
0.0625	4.25E-02	0.96	4.77E-17		6.95E-17		1.81E-16		1.52E-17	

Table 23: Results of the reconstruction in the Dirichlet B. ($\alpha = 0.5$); $\phi(x) = x^2$.

20 -	d=1		d=2		d=3		d=4		d=5	
x_f	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$
1	1.62E-01		1.04E-17		5.20E-18		3.64E-17	_	5.64E-17	_
0.5	4.06E-02	2.00	3.47E - 18	_	2.56E-17	_	1.47E-17	_	1.53E-17	_
0.25	1.02E-02	2.00	2.17E-18	_	1.63E-18	_	2.60E-18	_	7.45E-18	_
0.125	2.54E-03	2.00	9.76E-19	_	8.94E-19	_	2.86E-18	_	6.57E-19	_
0.0625	6.35E-04	2.00	2.71E-20	_	0	_	3.05E-19	_	3.05E-19	_

Table 24: Results of the reconstruction in the Dirichlet B. - derivative ($\alpha = 0.5$); $\phi(x) = x^2$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	O _{1,∞}
1	4.00E-01	_	8.24E-17	_	6.94E-17	_	2.57E-16	_	1.39E-16	_
0.5	2.00E-01	1.00	4.68E-17	_	3.84E-16	_	1.87E-16	_	2.99E-16	_
0.25	1.00E-01	1.00	3.85E-17	_	6.19E-17	_	6.30E-17	_	1.98E-16	_
0.125	5.00E-02	1.00	3.45E-17	_	5.01E-17	_	1.31E-16	_	6.99E-17	_
0.0625	2.50E-02	1.00	4.59E-18	_	5.74E-20	_	2.58E-17	_	4.77E-17	_

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Table 25: Results of the reconstruction in the Neumann B. $(\alpha=0)$; $\phi(x)=\exp(x)$.

20.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	2.01E-01	_	1.16E-02		7.05E-04	_	3.23E-05	_	1.40E-06	_
0.5	4.41E-02	2.19	1.23E-03	3.24	3.64E-05	4.28	8.27E-07	5.29	1.77E-08	6.30
0.25	1.04E-02	2.09	1.42E-04	3.12	2.07E-06	4.13	2.34E-08	5.14	2.49E-10	6.15
0.125	2.51E-03	2.04	1.70E-05	3.06	1.24E-07	4.07	6.97E-10	5.07	3.70E-12	6.07
0.0625	6.19E-04	2.02	2.09E-06	3.03	7.56E-09	4.03	2.13E-11	5.03	5.57E-14	6.05

Table 26: Results of the reconstruction in the Neumann B. - derivative (α =0); $\phi(x)$ = $\exp(x)$.

x_f	$d=1$ $E_{1,\infty}$	$O_{1,\infty}$	$\frac{d=2}{E_{1,\infty}}$	O _{1,∞}	$\frac{d=3}{E_{1,\infty}}$	$O_{1,\infty}$	$\frac{d=4}{E_{1,\infty}}$	O _{1,∞}	$\frac{d=5}{E_{1,\infty}}$	$O_{1,\infty}$
1	0		0		0		0		0	_
0.5	0	_	0	_	0	_	0		0	
0.25	0	_	0	_	0	_	0	_	0	
0.125	0	_	0	_	0	_	0	_	0	_
0.0625	0	_	0	_	0	_	0	_	0	_

Table 27: Results of the reconstruction in the Neumann B. $(\alpha = h)$; $\phi(x) = \exp(x)$.

v .	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	3.11E-01		1.84E-02		9.45E-04		4.42E-05		1.80E-06	_
0.5	5.92E-02	2.39	1.63E-03	3.50	4.30E-05	4.46	9.86E-07	5.49	2.03E-08	6.47
0.25	1.23E-02	2.27	1.66E-04	3.30	2.27E-06	4.25	2.57E-08	5.26	2.68E-10	6.24
0.125	2.76E-03	2.16	1.85E-05	3.16	1.30E-07	4.13	7.32E-10	5.14	3.84E-12	6.13
0.0625	6.50E-04	2.09	2.18E-06	3.09	7.74E-09	4.07	2.18E-11	5.07	5.64E-14	6.09

Table 28: Results of the reconstruction in the Neumann B. - derivative $(\alpha = h)$; $\phi(x) = \exp(x)$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$
1	2.21E-01	_	3.85E-02	_	2.56E-03	_	1.95E-04	_	9.31E-06	_
0.5	6.06E-02	1.87	4.46E-03	3.11	1.39E-04	4.20	5.20E-06	5.23	1.22E-07	6.26
0.25	1.55E-02	1.97	5.35E-04	3.06	8.14E-06	4.10	1.50E-07	5.11	1.75E-09	6.13
0.125	3.90E-03	1.99	6.54E-05	3.03	4.92E-07	4.05	4.51E-09	5.06	2.61E-11	6.06
0.0625	9.76E-04	2.00	8.08E-06	3.02	3.02E-08	4.02	1.38E-10	5.03	3.98E-13	6.04

Table 29: Results of the reconstruction in the Neumann B. ($\alpha = 0.5$); $\phi(x) = \exp(x)$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$
1	3.11E-01	_	2.15E-02	_	1.27E-03	_	6.54E-05	_	2.84E-06	_
0.5	7.34E-02	2.08	2.37E-03	3.18	6.69E-05	4.25	1.70E-06	5.27	3.63E-08	6.29
0.25	1.79E-02	2.03	2.79E-04	3.09	3.85E-06	4.12	4.85E-08	5.13	5.15E-10	6.14
0.125	4.44E-03	2.02	3.38E-05	3.04	2.31E-07	4.06	1.45E-09	5.06	7.66E-12	6.07
0.0625	1.10E-03	2.01	4.17E-06	3.02	1.41E-08	4.03	4.43E-11	5.03	1.17E-13	6.03

Table 30: Results of the reconstruction in the Neumann B. - derivative ($\alpha = 0.5$); $\phi(x) = \exp(x)$.

Y c	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$								
1	2.21E-01	_	5.61E-02	_	6.06E-03	_	5.43E-04	_	3.38E-05	_
0.5	1.18E-01	0.91	1.28E-02	2.13	6.53E-04	3.22	2.85E-05	4.25	8.72E-07	5.28
0.25	6.06E-02	0.96	3.08E-03	2.06	7.60E-05	3.10	1.64E-06	4.12	2.48E-08	5.14
0.125	3.08E-02	0.98	7.54E-04	2.03	9.17E-06	3.05	9.83E-08	4.06	7.41E-10	5.07
0.0625	1.55E-02	0.99	1.87E-04	2.01	1.13E-06	3.03	6.02E-09	4.03	2.26E-11	5.03

Table 31: Results of the reconstruction in the Neumann B. $(\alpha=0)$; $\phi(x)=x^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$
1	1.19E-01	_	6.16E-02	_	2.12E-02	_	2.61E-03	_	3.52E-17	_
0.5	3.72E-03	5.00	1.92E-03	5.00	6.62E-04	5.00	8.16E-05	5.00	1.10E-18	_
0.25	1.16E-04	5.00	6.01E-05	5.00	2.07E-05	5.00	2.55E-06	5.00	3.44E-20	_
0.125	3.64E-06	5.00	1.88E-06	5.00	6.46E-07	5.00	7.97E-08	5.00	1.08E-21	_
0.0625	1.14E-07	5.00	5.87E-08	5.00	2.02E-08	5.00	2.49E-09	5.00	3.36E-23	_

Table 32: Results of the reconstruction in the Neumann B. - derivative (α =0); $\phi(x) = x^5$.

x_f	$\frac{d=1}{E_{1,\infty}}$	<u>O</u> ,	$\frac{d=2}{E_{1,\infty}}$	$O_{1,\infty}$	$\frac{d=3}{F_1}$	$O_{1,\infty}$	$\frac{d=4}{E_{1,\infty}}$	$O_{1,\infty}$	$\frac{d=5}{E_{1,\infty}}$	$O_{1,\infty}$
	L _{1,∞}	$O_{1,\infty}$		01,∞		01,∞		<u>U1,∞</u>		<u> </u>
1	0	_	0	_	0	_	0	_	0	
0.5	0		0		0		0		0	
0.25	0		0		0		0		0	
0.125	0		0		0		0		0	
0.0625	0	_	0		0	_	0	_	0	

Table 33: Results of the reconstruction in the Neumann B. $(\alpha = h)$; $\phi(x) = x^5$.

v .	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	1.09E-01	_	8.12E-02		2.73E-02	_	3.62E-03	_	1.36E-16	_
0.5	3.70E-03	4.88	2.26E-03	5.17	7.61E-04	5.16	9.77E-05	5.21	1.32E-19	_
0.25	1.16E-04	4.99	6.57E - 05	5.11	2.23E-05	5.10	2.81E-06	5.12	8.72E-21	_
0.125	3.64E-06	5.00	1.97E-06	5.06	6.71E-07	5.05	8.37E-08	5.07	2.81E-21	_
0.0625	1.14E-07	5.00	6.02E-08	5.03	2.06E-08	5.03	2.55E-09	5.03	1.11E-22	

Table 34: Results of the reconstruction in the Neumann B. - derivative $(\alpha = h)$; $\phi(x) = x^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$
1	1.95E-02	_	1.16E-01	_	6.66E-02	_	1.64E-02	_	1.84E-18	_
0.5	7.63E-05	8.00	3.97E-03	4.87	2.16E-03	4.95	5.23E-04	4.97	4.10E-18	_
0.25	2.98E-07	8.00	1.31E-04	4.93	6.87E - 05	4.97	1.65E-05	4.99	6.14E-20	_
0.125	1.16E-09	8.00	4.19E-06	4.96	2.17E-06	4.99	5.19E-07	4.99	5.88E-21	_
0.0625	4.55E-12	8.00	1.33E-07	4.98	6.81E-08	4.99	1.62E-08	5.00	1.98E-23	_

Table 35: Results of the reconstruction in the Neumann B. ($\alpha = 0.5$); $\phi(x) = x^5$.

ν.	d=1		d=2		d=3		_d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	1.09E-01	_	8.87E-02	_	3.48E-02		5.45E-03	_	1.36E-17	_
0.5	3.42E-03	5.00	2.77E-03	5.00	1.09E-03	5.00	1.70E-04	5.00	1.09E-19	_
0.25	1.07E-04	5.00	8.66E-05	5.00	3.40E-05	5.00	5.33E-06	5.00	4.37E-20	_
0.125	3.34E-06	5.00	2.71E-06	5.00	1.06E-06	5.00	1.66E-07	5.00	1.95E-21	_
0.0625	1.04E-07	5.00	8.46E-08	5.00	3.32E-08	5.00	5.20E-09	5.00	3.62E-23	

Table 36: Results of the reconstruction in the Neumann B. - derivative ($\alpha = 0.5$); $\phi(x) = x^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	O _{1,∞}
1	1.95E-02		1.61E-01		1.50E-01		4.63E-02		6.01E-17	_
0.5	1.22E-03	4.00	1.01E-02	4.00	9.40E-03	4.00	2.90E-03	4.00	7.73E-19	_
0.25	7.63E-05	4.00	6.28E-04	4.00	5.88E-04	4.00	1.81E-04	4.00	6.84E-19	_
0.125	4.77E-06	4.00	3.93E-05	4.00	3.67E-05	4.00	1.13E-05	4.00	1.61E-20	_
0.0625	2.98E-07	4.00	2.45E-06	4.00	2.30E-06	4.00	7.07E-07	4.00	2.16E-21	_

Table 37: Results of the reconstruction in the Neumann B. $(\alpha=0)$; $\phi(x)=(1+x)^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	6.23E+00	_	8.78E-01	_	7.93E-02		2.61E-03	_	1.78E-15	_
0.5	1.11E+00	2.49	8.44E-02	3.38	4.29E-03	4.21	8.16E-05	5.00	8.88E-16	_
0.25	2.33E-01	2.25	9.15E-03	3.21	2.48E-04	4.12	2.55E-06	5.00	6.66E-16	_
0.125	5.33E-02	2.13	1.06E-03	3.11	1.48E-05	4.06	7.97E-08	5.00	6.66E-16	_
0.0625	1.28E-02	2.06	1.28E-04	3.05	9.07E-07	4.03	2.49E-09	5.00	7.77E-16	_

Table 38: Results of the reconstruction in the Neumann B. - derivative (α =0); $\phi(x)$ = $(1+x)^5$.

x_f	$\frac{d=1}{E_{1,\infty}}$	$O_{1,\infty}$	$\frac{d=2}{E_{1,\infty}}$	$O_{1,\infty}$	$\frac{d=3}{E_{1,\infty}}$	$O_{1,\infty}$	$\frac{d=4}{E_{1,\infty}}$	$O_{1,\infty}$	$\frac{d=5}{E_{1,\infty}}$	$O_{1,\infty}$
1	0	_	0	_	0		0	_	0	_
0.5	0		0		0	_	0	_	0	
0.25	0	_	0	_	0	_	0	_	0	
0.125	0	_	0	_	0	_	0	_	0	
0.0625	0	_	0		0	_	0		0	

Table 39: Results of the reconstruction in the Neumann B. $(\alpha = h)$; $\phi(x) = (1 + x)^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	7.94E+00		1.35E+00		1.07E-01		3.62E-03		1.55E-15	_
0.5	1.39E+00	2.51	1.10E-01	3.61	5.07E-03	4.40	9.77E - 05	5.21	2.00E-15	_
0.25	2.71E-01	2.36	1.07E-02	3.37	2.71E-04	4.23	2.81E-06	5.12	4.44E-16	_
0.125	5.82E-02	2.22	1.15E-03	3.21	1.55E-05	4.12	8.37E-08	5.07	1.11E-15	_
0.0625	1.34E-02	2.12	1.33E-04	3.11	9.28E-07	4.06	2.55E-09	5.03	1.22E-15	

Table 40: Results of the reconstruction in the Neumann B. - derivative $(\alpha = h)$; $\phi(x) = (1 + x)^5$.

26 -	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	O _{1,∞}
1	3.42E+00		2.69E+00		2.93E-01		1.64E-02		8.88E-16	
0.5	1.14E+00	1.59	2.93E-01	3.20	1.65E-02	4.15	5.23E-04	4.97	1.78E-15	_
0.25	3.05E-01	1.90	3.37E-02	3.12	9.73E-04	4.08	1.65E-05	4.99	0	_
0.125	7.77E-02	1.97	4.02E-03	3.07	5.90E-05	4.05	5.19E-07	4.99	8.88E-16	_
0.0625	1.95E-02	1.99	4.91E-04	3.03	3.62E-06	4.02	1.62E-08	5.00	8.88E-16	_

Table 41: Results of the reconstruction in the Neumann B. $(\alpha = 0.5)$; $\phi(x) = (1+x)^5$.

44	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	7.94E+00	_	1.56E+00	_	1.44E-01	_	5.45E-03	_	2.44E-15	_
0.5	1.63E+00	2.29	1.58E-01	3.30	7.91E-03	4.19	1.70E-04	5.00	2.22E-16	_
0.25	3.75E-01	2.12	1.77E-02	3.16	4.60E-04	4.10	5.33E-06	5.00	1.11E-16	_
0.125	9.06E-02	2.05	2.09E-03	3.08	2.77E - 05	4.05	1.66E-07	5.00	2.22E-16	_
0.0625	2.23E-02	2.02	2.54E-04	3.04	1.70E-06	4.03	5.20E-09	5.00	4.44E-16	_

Table 42: Results of the reconstruction in the Neumann B. - derivative ($\alpha = 0.5$); $\phi(x) = (1+x)^5$.

20 -	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$
1	3.42E+00	_	3.87E+00	_	6.94E-01	_	4.63E-02	_	1.07E-14	_
0.5	2.07E+00	0.72	8.29E-01	2.22	7.74E-02	3.17	2.90E-03	4.00	6.22E-15	_
0.25	1.14E+00	0.86	1.92E-01	2.11	9.09E-03	3.09	1.81E-04	4.00	8.88E-16	_
0.125	5.96E-01	0.93	4.61E-02	2.06	1.10E-03	3.05	1.13E-05	4.00	1.07E-14	\uparrow
0.0625	3.05E-01	0.97	1.13E-02	2.03	1.35E-04	3.02	7.07E-07	4.00	2.75E-14	<u> </u>

Table 43: Results of the reconstruction in the Neumann B. $(\alpha=0)$; $\phi(x)=x^2$.

Y c	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	3.12E-01	_	7.20E-17		4.48E-17	_	8.57E-18	_	6.18E-17	_
0.5	7.81E-02	2.00	1.80E-17	_	1.12E-17	_	2.14E-18	_	1.54E-17	_
0.25	1.95E-02	2.00	4.50E-18	_	2.80E-18	_	5.36E-19	_	3.86E-18	_
0.125	4.88E-03	2.00	1.12E-18	_	7.01E-19	_	1.34E-19	_	9.66E-19	_
0.0625	1.22E-03	2.00	2.81E-19		1.75E-19		3.35E-20		2.41E-19	

Table 44: Results of the reconstruction in the Neumann B. - derivative (α =0); $\phi(x) = x^2$.

χ_f	d=1		d=2		d=3		d=4		d=5	
<i>x</i> _f	$E_{1,\infty}$	$O_{1,\infty}$								
1	0	_	0	_	0	_	0		0	
0.5	0	_	0	_	0	_	0	_	0	_
0.25	0	_	0	_	0	_	0		0	_
0.125	0	_	0	_	0	_	0		0	_
0.0625	0	_	0	_	0	_	0		0	

Table 45: Results of the reconstruction in the Neumann B. $(\alpha = h)$; $\phi(x) = x^2$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	5.62E-01	_	5.55E-17	_	1.19E-16	_	1.63E-16	_	1.05E-16	_
0.5	1.09E-01	2.36	4.16E-17	_	4.87E-17	_	3.57E-17	_	4.26E-17	_
0.25	2.34E-02	2.22	1.21E-17	_	3.51E-18	_	4.48E-18	_	6.62E-19	_
0.125	5.37E-03	2.13	8.67E-19	_	2.50E-18	_	2.53E-18	_	3.03E-18	_
0.0625	1.28E-03	2.07	6.51E-19		4.10E-21		3.72E-19		1.58E-19	

Table 46: Results of the reconstruction in the Neumann B. - derivative $(\alpha = h)$; $\phi(x) = x^2$

v .	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$
1	5.00E-01	_	2.78E-17		8.33E-17	_	6.94E-17		2.05E-16	_
0.5	1.25E-01	2.00	1.39E-17	_	2.08E-17	_	1.04E-17	_	3.38E-17	_
0.25	3.13E-02	2.00	5.20E-18	_	6.07E-18	_	2.60E-18	_	5.64E-18	_
0.125	7.81E-03	2.00	8.67E-19	_	2.17E-19	_	1.63E-18	_	3.74E-18	_
0.0625	1.95E-03	2.00	3.25E-19	_	1.08E-19	_	1.06E-18	_	4.07E-19	

Table 47: Results of the reconstruction in the Neumann B. ($\alpha = 0.5$); $\phi(x) = x^2$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$
1	5.62E-01	_	5.55E-17	_	9.53E-17	_	3.14E-16	_	3.77E-16	_
0.5	1.41E-01	2.00	1.39E-16	_	3.41E-18	_	1.68E-16	_	2.33E-18	_
0.25	3.52E-02	2.00	1.39E-17	_	1.04E-17	_	4.60E-17	_	1.16E-17	_
0.125	8.79E-03	2.00	1.39E-17	_	7.46E-18	_	7.41E-18	_	9.51E-18	_
0.0625	2.20E-03	2.00	6.94E-18	_	3.59E-18	_	1.02E-17	_	2.24E-18	

Table 48: Results of the reconstruction in the Neumann B. - derivative ($\alpha = 0.5$); $\phi(x) = x^2$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	O _{1,∞}	$E_{1,\infty}$	O _{1,∞}
1	5.00E-01		5.55E-17	_	0	_	8.60E-16		1.03E-15	_
0.5	2.50E-01	1.00	1.67E-16	_	4.16E-17	_	1.12E-15	_	6.94E-17	_
0.25	1.25E-01	1.00	1.39E-17	_	1.39E-17	_	4.58E-16	_	1.60E-16	_
0.125	6.25E-02	1.00	4.16E-17	_	4.51E-17	_	1.04E-17	_	2.86E-16	_
0.0625	3.13E-02	1.00	3.82E-17		9.89E-17		2.81E-16	_	1.65E-16	_

3 No Conservation

Table 49: Results of the reconstruction without restriction; $\phi(x) = \exp(x)$.

	d=1		d=2		d=3		d=4	•	d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	1.32E-01	_	1.70E-02	_	1.37E-03	_	9.90E-05	_	5.12E-06	_
0.5	2.78E-02	2.25	1.75E-03	3.28	6.90E-05	4.31	2.49E-06	5.32	6.39E-08	6.32
0.25	6.37E-03	2.12	1.99E-04	3.14	3.88E-06	4.15	6.98E-08	5.16	8.93E-10	6.16
0.125	1.53E-03	2.06	2.37E-05	3.07	2.30E-07	4.08	2.07E-09	5.08	1.32E-11	6.08
0.0625	3.74E-04	2.03	2.89E-06	3.03	1.40E-08	4.04	6.29E-11	5.04	2.02E-13	6.03

Table 50: Results of the reconstruction without restriction; $\phi(x) = \exp(x)$.

26 -	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$
1	6.66E-01	_	1.53E-01	_	2.02E-02	_	1.95E-03	_	1.37E-04	_
0.5	2.87E-01	1.21	3.18E-02	2.26	2.05E-03	3.30	9.86E-05	4.31	3.44E-06	5.32
0.25	1.34E-01	1.10	7.27E-03	2.13	2.32E-04	3.15	5.55E-06	4.15	9.62E-08	5.16
0.125	6.47E-02	1.05	1.74E-03	2.06	2.76E-05	3.07	3.29E-07	4.08	2.85E-09	5.08
0.0625	3.18E-02	1.02	4.25E-04	2.03	3.37E-06	3.04	2.00E-08	4.04	8.69E-11	5.04

Table 51: Results of the reconstruction without restriction; $\phi(x) = x^5$.

20.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$	E _{0,∞}	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$	$E_{0,\infty}$	$O_{0,\infty}$
1	1.17E-01		1.12E-01		4.43E-02		7.71E-03		2.21E-16	_
0.5	3.66E-03	5.00	3.50E-03	5.00	1.38E-03	5.00	2.41E-04	5.00	1.90E-20	_
0.25	1.14E-04	5.00	1.09E-04	5.00	4.33E-05	5.00	7.53E-06	5.00	3.56E-20	_
0.125	3.58E-06	5.00	3.41E-06	5.00	1.35E-06	5.00	2.35E-07	5.00	1.11E-21	_
0.0625	1.12E-07	5.00	1.07E-07	5.00	4.23E-08	5.00	7.35E-09	5.00	3.48E-23	

Table 52: Results of the reconstruction without restriction; $\phi(x) = x^5$.

ν.	d=1		d=2		d=3		d=4		d=5	
x_f	E _{1,∞}	$O_{1,\infty}$								
1	4.73E-01		9.25E-01		6.38E-01		1.54E-01		4.16E-15	
0.5	2.95E-02	4.00	5.78E-02	4.00	3.99E-02	4.00	9.60E-03	4.00	3.07E-18	_
0.25	1.85E-03	4.00	3.61E-03	4.00	2.49E-03	4.00	6.00E-04	4.00	1.77E-18	_
0.125	1.15E-04	4.00	2.26E-04	4.00	1.56E-04	4.00	3.75E-05	4.00	1.11E-19	_
0.0625	7.21E-06	4.00	1.41E-05	4.00	9.74E-06	4.00	2.34E-06	4.00	6.92E-21	

Table 53: Results of the reconstruction without restriction; $\phi(x) = (1+x)^5$.

20	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	4.63E+00	_	1.33E+00	_	1.52E-01	_	7.71E-03		2.66E-15	_
0.5	7.54E-01	2.62	1.23E-01	3.43	8.11E-03	4.23	2.41E-04	5.00	3.33E-16	_
0.25	1.50E-01	2.33	1.30E-02	3.24	4.63E-04	4.13	7.53E-06	5.00	6.66E-16	_
0.125	3.31E-02	2.17	1.49E-03	3.13	2.76E-05	4.07	2.35E-07	5.00	7.77E-16	_
0.0625	7.79E-03	2.09	1.78E-04	3.07	1.68E-06	4.04	7.35E-09	5.00	1.78E-15	_

Table 54: Results of the reconstruction without restriction; $\phi(x) = (1+x)^5$.

20.	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$	E _{1,∞}	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$	$E_{1,\infty}$	$O_{1,\infty}$
1	2.17E+01	_	1.18E+01		2.25E+00		1.54E-01		9.06E-14	_
0.5	7.45E+00	1.54	2.21E+00	2.41	2.42E-01	3.22	9.60E-03	4.00	4.17E-14	1.12
0.25	3.06E+00	1.28	4.72E-01	2.23	2.77E-02	3.12	6.00E-04	4.00	5.95E-14	\uparrow
0.125	1.38E+00	1.14	1.09E-01	2.12	3.31E-03	3.07	3.75E-05	4.00	7.19E-14	\uparrow
0.0625	6.58E-01	1.07	2.61E-02	2.06	4.04E-04	3.03	2.34E-06	4.00	3.75E-13	<u> </u>

Table 55: Results of the reconstruction without restriction; $\phi(x) = x^2$.

					1 \ /					
26	d=1		d=2		d=3		d=4	d=4		
x_f	$E_{0,\infty}$	$O_{0,\infty}$								
1	1.88E-01	_	0	_	4.91E-16	_	2.49E-16	_	4.40E-16	_
0.5	4.69E-02	2.00	0	_	3.97E-17	_	2.20E-17	_	4.16E-17	_
0.25	1.17E-02	2.00	0	_	9.94E-18	_	5.50E-18	_	1.04E-17	_
0.125	2.93E-03	2.00	0	_	2.48E-18	_	1.38E-18	_	2.60E-18	_
0.0625	7.32E-04	2.00	0	_	6.21E-19	_	3.44E-19	_	6.50E-19	_

Table 56: Results of the reconstruction without restriction; $\phi(x) = x^2$.

20	d=1		d=2		d=3		d=4		d=5	
x_f	$E_{1,\infty}$	$O_{1,\infty}$								
1	1.00E+00	_	0	_	5.55E-15	_	4.25E-15	_	9.77E-15	_
0.5	5.00E-01	1.00	0	_	1.15E-15	_	1.54E-16	_	2.42E-16	_
0.25	2.50E-01	1.00	0	_	5.75E-16	_	7.71E-17	_	1.21E-16	_
0.125	1.25E-01	1.00	0	_	2.87E-16	_	3.85E-17	_	6.04E-17	_
0.0625	6.25E-02	1.00	0	_	1.44E-16	_	1.93E-17	—	3.02E-17	_