

Table of value of u and $D^{(1)}u$ at $x = 0$, $x = 1$, and
P-Convergence graphs for u of order 7, 10, and 15

October 2, 2003

Order of u	$u(0)$	$u(1)$	$D^{(1)}u(0)$	$D^{(1)}u(1)$
3	0	1	0	0
5	0	1	0	0
7	0	1.000000000000003	0	1.136868377216160e-013
9	0	1.000000000000156	0	6.366462912410498e-012
11	0	0.99999999995913	0	-8.549250196665525e-011
13	0	1.00000000004684	0	-2.981323632411659e-009
15	0	0.99999999880129	0	6.714253686368465e-008
17	0	0.99999985288014	0	-8.293049177154899e-006
19	0	0.99970423483319	0	-6.050852825865150e-004
21	0	1.00539462760207	0	0.02194331772625

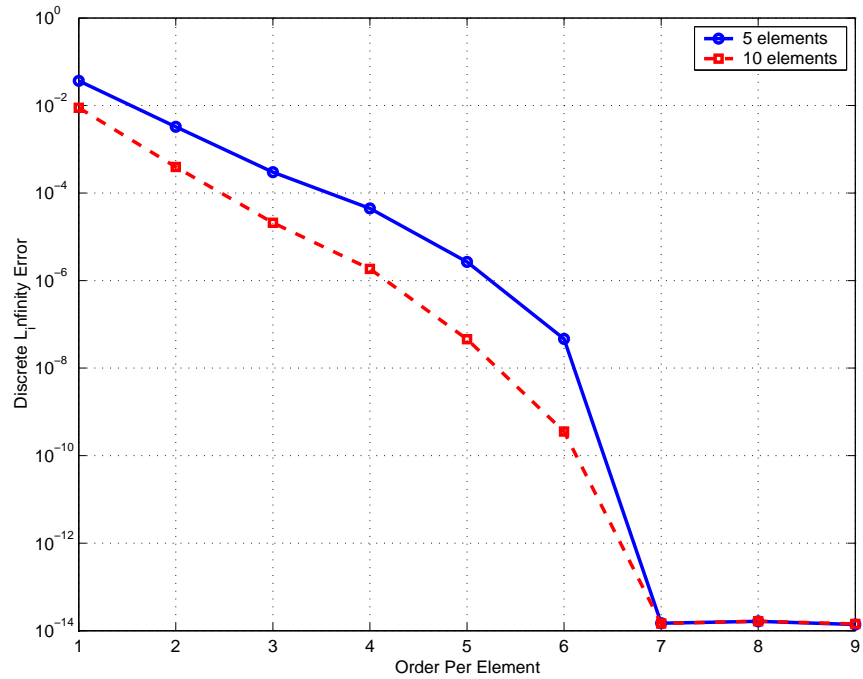


Figure 1: Figure Showing P-convergence of S-curve of order 7

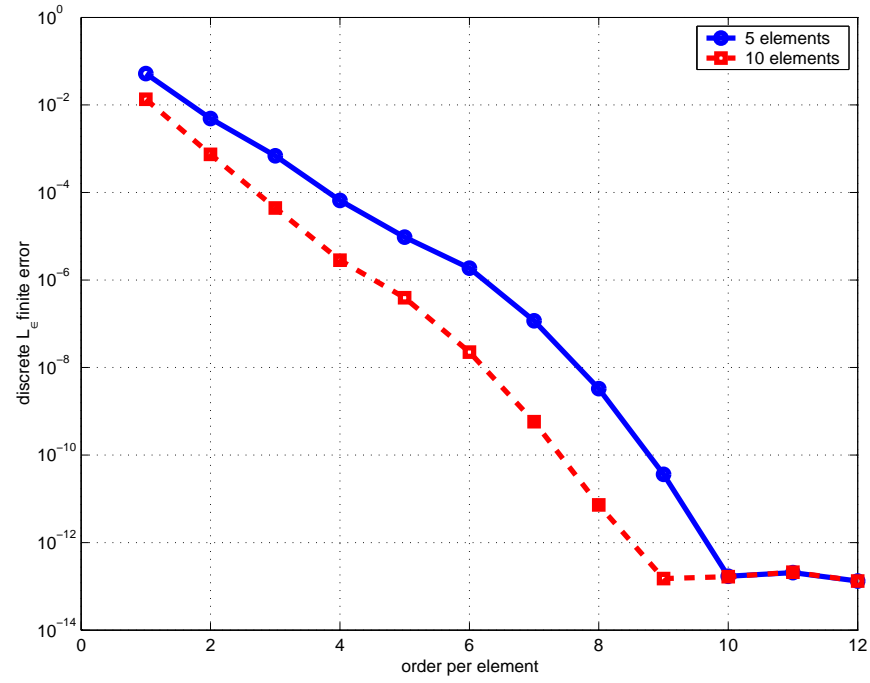


Figure 2: Figure Showing P-convergence of S-curve of order 10

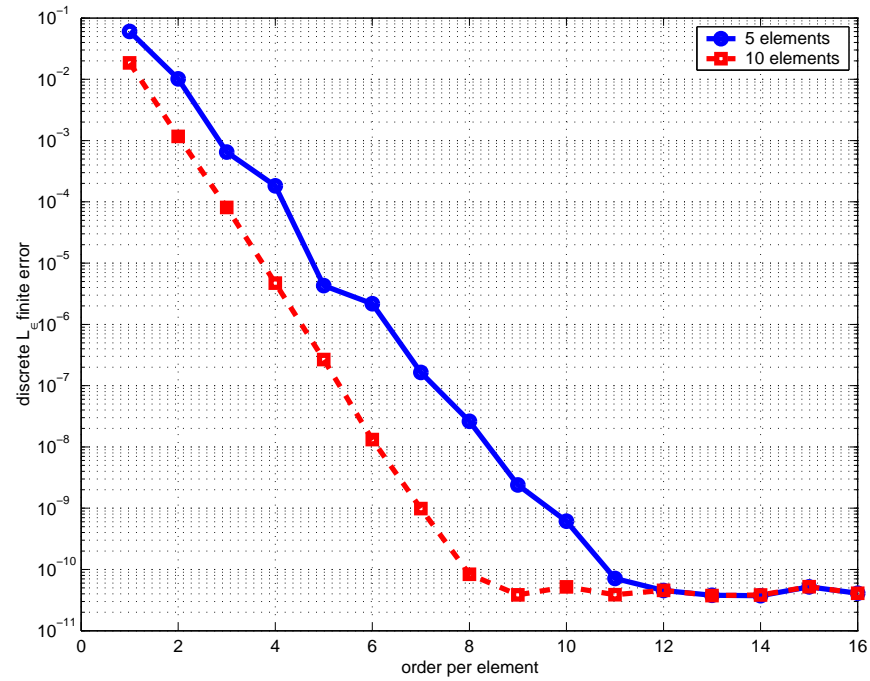


Figure 3: Figure Showing P-convergence of S-curve of order 15