

Table 22.11

Laguerre Polynomials  $L_n(x)$ 

$n \backslash x$	0.5	1.0	3.0	5.0	10.0
0	+1.00000 00000	+1.00000 00000	+1.00000 00000	+1.00000 00000	+1.00000 00000
1	+0.50000 00000	0.00000 00000	-2.00000 00000	-4.00000 00000	-9.00000 00000
2	+0.12500 00000	-0.50000 00000	-0.50000 00000	+3.50000 00000	+31.00000 00000
3	-0.14583 33333	-0.66666 66667	+1.00000 00000	+2.66666 66667	-45.66666 66667
4	-0.33072 91667	-0.62500 00000	+1.37500 00000	-1.29166 66667	+11.00000 00000
5	-0.44557 29167	-0.46666 66667	+0.85000 00000	-3.16666 66667	+34.33333 33333
6	-0.50414 49653	-0.25694 44444	-0.01250 00000	-2.09027 77778	-3.44444 44444
7	-0.51833 92237	-0.04047 61905	-0.74642 85714	+0.32539 68254	-30.90476 19048
8	-0.49836 29984	+0.15399 30556	-1.10870 53571	+2.23573 90873	-16.30158 73016
9	-0.45291 95204	+0.30974 42681	-1.06116 07143	+2.69174 38272	+14.79188 71252
10	-0.38937 44141	+0.41894 59325	-0.70002 23214	+1.75627 61795	+27.98412 69841
11	-0.31390 72988	+0.48013 41791	-0.18079 95130	+0.10754 36909	+14.53695 68703
12	-0.23164 96389	+0.49621 22235	+0.34035 46063	-1.44860 42948	-9.90374 64593