TABLES OF KAPUR–ROKHLIN QUADRATURE WEIGHTS

2nd-order Kapur–Rokhlin correction weights integrals of the form $\int_0^1 f(x) + g(x)\log(x)\,dx$	
INDEX l	WEIGHTS $\gamma_l + \gamma_{-l}$
1	1.825748064736159e+00
2	-1.325748064736159e+00

6th-order Kapur–Rokhlin correction weights integrals of the form $\int_0^1 f(x) + g(x)\log(x)\,dx$	
INDEX l	WEIGHTS $\gamma_l + \gamma_{-l}$
1	4.967362978287758e+00
2	-1.620501504859126e+01
3	2.585153761832639e+01
4	-2.222599466791883e+01
5	9.930104998037539e+00
6	-1.817995878141594e+00

10th-order Kapur–Rokhlin correction weights integrals of the form $\int_0^1 f(x) + g(x)\log(x)\,dx$	
INDEX l	WEIGHTS $\gamma_l + \gamma_{-l}$
1	7.832432020568779e+00
2	-4.565161670374749e+01
3	1.452168846354677e+02
4	-2.901348302886379e+02
5	3.870862162579900e+02
6	-3.523821383570681e+02
7	2.172421547519342e+02
8	-8.707796087382991e+01
9	2.053584266072635e+01
10	-2.166984103403823e+00