Elliptical Integral of the 1st Kind

Numerical Integration Method	Circumference	Iterations	Time Elapsed
Composite Trapezoid Rule	43.8591006947586	n = 385	2.886114 s
Romberg	43.8590997940372	n = 10, k = 6	0.701108 s
Clenshaw Curtis	43.8591007046756	n = 80	1.089693 s
Fast Clenshaw Curtis	43.8591006957255	n = 102	1.281804 s

Elliptical Integral of the 2nd Kind

Numerical Integration Method	Circumference	Iterations	Time Elapsed
Composite Trapezoid Rule	43.8591006946495	n = 17	0.609401 s
Romberg	43.8591006956890	n = 6, k = 1	0.604364 s
Clenshaw Curtis	43.8591006975921	n = 20	0.657457 s
Fast Clenshaw Curtis	43.8591006964575	n = 22	0.662109 s

Bifolium Numerical Integration

Numerical Integration Method	Circumference	Iterations	Time Elapsed
Composite Trapezoid Rule	3.5777763645569	n = 1097	7.010743 s
Romberg	3.5777724396023	n = 12, k = 4	0.730010 s
Clenshaw Curtis	3.5777689581931	n = 1868	40.793121 s
Fast Clenshaw Curtis	3.5777773216844	n = 1484	13.525038 s