

(1)

表 1  $k_0, k_1, k_2, k_3, k_4$  の時

	$k_0 = 0$	$k_1 = 2\pi/1000$	$k_2 = 4\pi/1000$	$k_3 = 6\pi/1000$	$k_4 = 8\pi/1000$
$x$	$\cos k_0 x$	$\cos k_1 x$	$\cos k_2 x$	$\cos k_3 x$	$\cos k_4 x$
-1200	1	0.309016994	-0.809016994	-0.809016994	0.309016994
-1199	1	0.31498652	-0.801566985	-0.819952109	0.285019262
-1198	1	0.32094361	-0.793990399	-0.830595899	0.260841506
-1197	1	0.32688803	-0.786288432	-0.840944582	0.236498997
-1196	1	0.332819545	-0.778462302	-0.850994482	0.21200711
-1195	1	0.33873792	-0.770513243	-0.860742027	0.187381315
-1194	1	0.344642923	-0.762442511	-0.870183755	0.162637165
-1193	1	0.35053432	-0.754251381	-0.87931631	0.137790291
-1192	1	0.356411879	-0.745941145	-0.888136449	0.112856385
-1191	1	0.362275367	-0.737513117	-0.896641037	0.087851197
-1190	1	0.368124553	-0.728968627	-0.904827052	0.06279052

表 2  $k_{47}, k_{48}, k_{49}, k_{50}$  の時

	$k_{47} = 94\pi/1000$	$k_{48} = 96\pi/1000$	$k_{49} = 98\pi/1000$	$k_{50} = 100\pi/1000$
$x$	$\cos k_{47} x$	$\cos k_{48} x$	$\cos k_{49} x$	$\cos k_{50} x$
-1200	-0.809016994	-0.809016994	0.309016994	1
-1199	-0.602929542	-0.947098305	0.006283144	0.951056516
-1198	-0.344642923	-0.999684189	-0.297041582	0.809016994
-1197	-0.056518534	-0.962027672	-0.572432126	0.587785252
-1196	0.236498997	-0.83752804	-0.793990399	0.309016994
-1195	0.509041416	-0.63742399	-0.940880769	-3.77332E-14
-1194	0.737513117	-0.379779096	-0.999289473	-0.309016994
-1193	0.902133959	-0.087851197	-0.963723678	-0.587785252
-1192	0.988651745	0.21200711	-0.83752804	-0.809016994
-1191	0.989576119	0.492727342	-0.632570162	-0.951056516
-1190	0.904827052	0.728968627	-0.368124553	-1

(2)

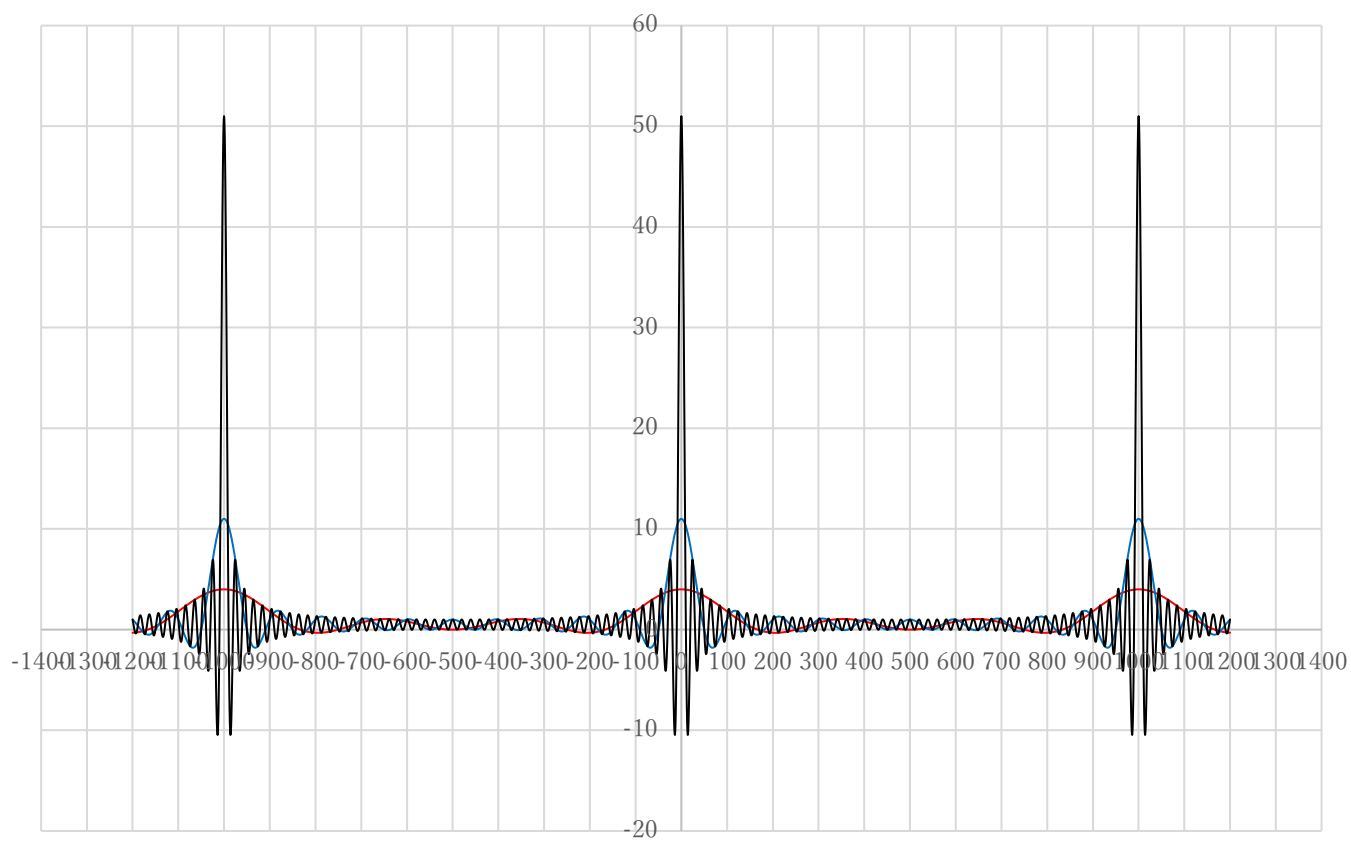


図1  $y_3(0)$ ,  $y_{10}(0)$ ,  $y_{50}(0)$ のグラフ

(3)

$$y_3(0) = 4$$

$$y_{10}(0) = 11$$

$$y_{50}(0) = 51$$