

# ANNEXE B

## Table des fonctions de Bessel $J_k(m_{FM})$

$m_f$	$J_0$	$J_1$	$J_2$	$J_3$	$J_4$	$J_5$	$J_6$	$J_7$	$J_8$	$J_9$	$J_{10}$	$J_{11}$	$J_{12}$	$J_{13}$
0.00	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-
0.10	.9975	.0499	-	-	-	-	-	-	-	-	-	-	-	-
0.20	.9900	.0996	-	-	-	-	-	-	-	-	-	-	-	-
0.25	.9845	.1241	-	-	-	-	-	-	-	-	-	-	-	-
0.30	.9776	.1484	.0111	-	-	-	-	-	-	-	-	-	-	-
0.40	.9604	.1961	.0197	-	-	-	-	-	-	-	-	-	-	-
0.50	.9385	.2423	.0306	-	-	-	-	-	-	-	-	-	-	-
0.60	.9120	.2867	.0437	-	-	-	-	-	-	-	-	-	-	-
0.70	.8812	.3290	.0588	-	-	-	-	-	-	-	-	-	-	-
0.80	.8463	.3689	.0758	.0103	-	-	-	-	-	-	-	-	-	-
0.90	.8075	.4060	.0946	.0144	-	-	-	-	-	-	-	-	-	-
1.00	.7652	.4400	.1150	.0195	-	-	-	-	-	-	-	-	-	-
1.25	.6459	.5107	.1711	.0369	-	-	-	-	-	-	-	-	-	-
1.50	.5119	.5579	.2321	.0610	.0118	-	-	-	-	-	-	-	-	-
1.75	.3690	.5802	.2940	.0919	.0209	-	-	-	-	-	-	-	-	-
2.00	.2239	.5767	.3529	.1289	.0340	-	-	-	-	-	-	-	-	-
2.50	-.0484	.4971	.4461	.2166	.0738	.0196	-	-	-	-	-	-	-	-
3.00	-.2601	.3391	.4861	.3091	.1320	.0430	.0114	-	-	-	-	-	-	-
3.50	-.3801	.1374	.4586	.3868	.2044	.0806	.0255	-	-	-	-	-	-	-
4.00	-.3972	-.0661	.3642	.4302	.2812	.1320	.0491	.0152	-	-	-	-	-	-
4.50	-.3206	-.2311	.2179	.4247	.3484	.1947	.0843	.0301	.0092	-	-	-	-	-
5.00	-.1776	-.3276	.0466	.3649	.3913	.2612	.1311	.0534	.0184	-	-	-	-	-
5.50	-.0069	-.3415	-.1174	.2562	.3967	.3209	.1868	.0866	.0337	.0113	-	-	-	-
6.00	.1507	-.2767	-.2429	.1148	.3577	.3621	.2458	.1296	.0565	.0212	-	-	-	-
6.50	.2601	-.1539	-.3074	-.0354	.2748	.3736	.2999	.1802	.0881	.0366	.0133	-	-	-
7.00	.3001	-.0047	-.3014	-.1676	.1578	.3479	.3392	.2336	.1280	.0589	.0236	-	-	-
7.50	.2664	.1363	-.2303	-.2680	.0239	.2835	.3542	.2832	.1744	.0889	.0390	.0151	-	-
8.00	.1714	.2345	-.1131	-.2912	-.1053	.1858	.3376	.3206	.2235	.1263	.0608	.0256	.0097	-
8.50	.0417	.2729	.0222	-.2627	-.2078	.0672	.2867	.3376	.2694	.1694	.0896	.0410	.0157	-
9.00	-.0906	.2451	.1447	-.1810	-.2655	.0552	.2043	.3275	.3061	.2149	.1247	.0622	.0274	.0108
9.50	-.1944	.1609	.2275	-.0656	-.2692	-.1614	.0992	.2868	.3234	.2578	.1551	.0897	.0427	.0182
10.0	-.2454	.0438	.2549	.0584	-.2196	-.2339	-.0145	.2167	.3179	.2919	.2075	.1231	.0634	.0290

$$\begin{aligned}
 s(t) = & A_p J_0 \cos(\omega_p t) + A_p J_1 [\cos[(\omega_p + \omega_m)t] - \cos[(\omega_p - \omega_m)t]] \\
 & + A_p J_2 [\cos[(\omega_p + 2\omega_m)t] + \cos[(\omega_p - 2\omega_m)t]] \\
 & + A_p J_3 [\cos[(\omega_p + 3\omega_m)t] - \cos[(\omega_p - 3\omega_m)t]] \dots
 \end{aligned}$$