Tablice funkcji występujących we wzorach transformacyjnych drgań harmonicznych belek

λ	α(λ)	β(λ)	υ(λ)	δ(λ)	γ(λ)	ε(λ)	α'(λ)	υ'(λ)	δ'(λ)
0,0	**4,000**	**2,000**	**6,000**	**6,000**	**12,000**	**12,000**	**3,000**	**3,000**	**3,000**
0,1	4,000	2,000	6,000	6,000	12,000	12,000	3,000	3,000	3,000
0,2	4,000	2,000	6,000	6,000	11,999	12,000	3,000	3,000	3,000
0,3	4,000	2,000	6,000	6,000	11,997	12,001	3,000	2,999	3,000
0,4	4,000	2,000	5,999	6,001	11,990	12,003	3,000	2,998	3,001
0,5	**3,999**	**2,000**	**5,997**	**6,002**	**11,977**	**12,008**	**2,999**	**2,995**	**3,002**
0,6	3,999	2,001	5,993	6,004	11,952	12,017	2,998	2,989	3,005
0,7	3,998	2,002	5,987	6,007	11,911	12,031	2,995	2,979	3,009
0,8	3,996	2,003	5,979	6,013	11,848	12,053	2,992	2,965	3,016
0,9	3,994	2,005	5,966	6,020	11,756	12,084	2,987	2,944	3,026
1,0	**3,990**	**2,007**	**5,948**	**6,031**	**11,628**	**12,129**	**2,981**	**2,914**	**3,039**
1,1	3,986	2,010	5,923	6,045	11,455	12,189	2,972	2,874	3,058
1,2	3,980	2,015	5,891	6,064	11,228	12,268	2,960	2,821	3,082
1,3	3,973	2,021	5,850	6,089	10,936	12,370	2,945	2,753	3,114
1,4	3,963	2,028	5,798	6,120	10,568	12,499	2,926	2,666	3,154
1,5	**3,951**	**2,037**	**5,733**	**6,159**	**10,110**	**12,659**	**2,902**	**2,559**	**3,204**
1,5708	3,941	2,044	5,678	6,191	9,725	12,795	2,881	2,467	3,246
1,6	3,937	2,047	5,653	6,206	9,550	12,857	2,872	2,426	3,266
1,7	3,919	2,061	5,557	6,264	8,872	13,097	2,836	2,264	3,342
1,8	3,898	2,077	5,442	6,333	8,060	13,387	2,792	2,068	3,434
1,8751									
1,9	3,873	2,096	5,304	6,416	7,096	13,733	2,739	1,832	3,546
2,0	**3,843**	**2,118**	**5,142**	**6,514**	**5,961**	**14,144**	**2,676**	**1,551**	**3,680**
2,1	3,808	2,145	4,951	6,630	4,633	14,630	2,600	1,217	3,842
2,2	3,768	2,176	4,729	6,767	3,089	15,202	2,510	0,820	4,035
2,3	3,720	2,213	4,471	6,926	1,304	15,872	2,404	0,351	4,267
2,3650					0,000			0,000	
2,4	3,665	2,256	4,172	7,112	-0,752	16,655	2,277	-0,205	4,545
2,5	**3,601**	**2,305**	**3,827**	**7,329**	**-3,110**	**17,569**	**2,126**	**-0,864**	**4,879**
2,6	3,527	2,363	3,431	7,581	-5,808	18,636	1,945	-1,647	5,283
2,7	3,443	2,429	2,975	7,874	-8,886	19,879	1,728	-2,581	5,774
2,8	3,345	2,507	2,452	8,214	-12,392	21,329	1,466	-3,705	6,377
2,9	3,232	2,597	1,851	8,611	-16,381	23,025	1,145	-5,069	7,124
3,0	**3,102**	**2,702**	**1,160**	**9,074**	**-20,919**	**25,011**	**0,748**	**-6,745**	**8,064**
3,1	2,951	2,824	0,365	9,617	-26,083	27,346	0,248	-8,839	9,267
3,1416	2,881	2,881	0,000	9,870	-28,437	28,437	0,000	-9,870	9,870
3,2	2,776	2,968	-0,552	10,255	-31,969	30,105	-0,398	-11,516	10,845
3,3	2,572	3,138	-1,614	11,009	-38,694	33,381	-1,255	-15,044	12,978
3,4	2,333	3,339	-2,852	11,907	-46,405	37,299	-2,445	-19,892	15,988
3,5	**2,050**	**3,579**	**-4,303**	**12,984**	**-55,294**	**42,024**	**-4,197**	**-26,967**	**20,495**
3,6	1,714	3,870	-6,019	14,290	-65,614	47,783	-7,024	-38,286	27,881
3,7	1,308	4,225	-8,072	15,892	-77,708	54,890	-12,344	-59,420	41,972
3,8	0,811	4,667	-10,562	17,890	-92,059	63,799	-26,052	-113,535	78,682
3,9	0,191	5,226	-13,638	20,429	-109,374	75,182	-142,666	-572,064	393,229
3,9266	0,000								
4,0	**-0,600**	**5,952**	**-17,531**	**23,734**	**-130,734**	**90,087**	**58,403**	**217,768**	**-150,060**
4,1	-1,644	6,923	-22,613	28,176	-157,892	110,228	27,510	96,045	-67,051
4,2	-3,080	8,280	-29,539	34,406	-193,907	138,624	19,180	62,953	-45,005
4,3	-5,180	10,294	-39,571	43,678	-244,657	181,107	15,278	47,230	-34,962
4,4	-8,543	13,563	-55,494	58,774	-323,105	250,594	12,992	37,822	-29,334
4,5	**-14,808**	**19,727**	**-84,932**	**87,313**	**-464,705**	**382,487**	**11,471**	**31,381**	**-25,829**
4,6	-30,662	35,469	-158,953	160,356	-813,859	721,127	10,368	26,543	-23,519
4,694									
4,7	-151,791	156,477	-722,247	722,584	-3437,178	3333,066	9,516	22,644	-21,958
4,7124	-262,308	266,978	-1235,895	1236,095	-5824,960	5719,374	9,423	22,207	-21,804
4,73								21,599	-21,598
4,8	73,219	-68,666	323,034	-323,855	1414,578	-1531,009	8,824	19,320	-20,910
4,9	33,375	-28,966	137,432	-139,513	545,647	-675,414	8,236	16,349	-20,237
5,0	**22,994**	**-18,743**	**88,720**	**-92,175**	**312,417**	**-456,623**	**7,717**	**13,587**	**-19,858**
5,1	18,178	-14,099	65,827	-70,780	198,682	-358,527	7,243	10,930	-19,723
5,2	15,367	-11,477	52,214	-58,800	127,540	-304,336	6,796	8,300	-19,805
5,3	13,500	-9,816	42,942	-51,313	76,004	-271,188	6,362	5,630	-20,089
5,4	12,147	-8,691	36,015	-46,340	34,756	-249,910	5,930	2,861	-20,573
5,5	**11,104**	**-7,897**	**30,467**	**-42,934**	**-0,738**	**-236,133**	**5,488**	**-0,066**	**-21,266**
5,6	10,256	-7,324	25,770	-40,590	-32,984	-227,542	5,026	-3,216	-22,187
5,7	9,537	-6,909	21,607	-39,019	-63,521	-222,828	4,531	-6,661	-23,365
5,8	8,904	-6,613	17,771	-38,045	-93,378	-221,225	3,992	-10,487	-24,846
5,9	8,327	-6,412	14,115	-37,563	-123,314	-222,294	3,390	-14,808	-26,694
6,0	**7,786**	**-6,290**	**10,530**	**-37,509**	**-153,935**	**-225,812**	**2,705**	**-19,770**	**-29,002**
6,1	7,263	-6,237	6,925	-37,849	-185,775	-231,709	1,907	-25,578	-31,902
6,2	6,744	-6,249	3,218	-38,574	-219,348	-240,050	0,954	-32,523	-35,593
6,2832	6,307	-6,307	0,000	-39,478	-248,978	-248,978	0,000	-39,478	-39,478

Tablice funkcji występujących we wzorach transformacyjnych drgań harmonicznych belek

λ	γ'(λ)	ε'(λ)	χ'(λ)	α''(λ)	υ''(λ)	γ''(λ)	γ'''(λ)	ε'''(λ)
0,0	**3,000**	**3,000**	**3,000**	**0,000**	**0,000**	**0,000**	**0,000**	**0,000**
0,1	3,000	3,000	3,000	0,000	0,000	0,000	0,000	0,000
0,2	2,999	3,000	3,000	-0,001	-0,001	-0,002	-0,001	0,000
0,3	2,996	3,001	2,998	-0,003	-0,004	-0,008	-0,003	0,001
0,4	2,988	3,004	2,994	-0,009	-0,013	-0,026	-0,009	0,004
0,5	**2,970**	**3,009**	**2,985**	**-0,021**	**-0,031**	**-0,063**	**-0,021**	**0,010**
0,6	2,937	3,018	2,969	-0,044	-0,065	-0,130	-0,043	0,022
0,7	2,883	3,033	2,943	-0,082	-0,122	-0,243	-0,080	0,040
0,8	2,801	3,057	2,903	-0,141	-0,211	-0,418	-0,137	0,069
0,9	2,681	3,092	2,845	-0,231	-0,344	-0,679	-0,220	0,110
1,0	**2,513**	**3,140**	**2,764**	**-0,362**	**-0,539**	**-1,054**	**-0,335**	**0,169**
1,1	2,286	3,206	2,654	-0,552	-0,820	-1,586	-0,493	0,248
1,2	1,988	3,292	2,509	-0,826	-1,223	-2,332	-0,700	0,355
1,3	1,603	3,404	2,322	-1,230	-1,811	-3,386	-0,970	0,493
1,4	1,117	3,546	2,086	-1,841	-2,693	-4,910	-1,313	0,672
1,5	**0,512**	**3,724**	**1,793**	**-2,824**	**-4,097**	**-7,225**	**-1,745**	**0,899**
1,5708	0,000	3,876	1,545	-3,941	-5,678	-9,725	-2,113	1,096
1,6	-0,233	3,945	1,432	-4,578	-6,574	-11,104	-2,282	1,187
1,7	-1,138	4,216	0,993	-8,414	-11,929	-19,045	-2,945	1,549
1,8	-2,229	4,546	0,464	-22,622	-31,579	-46,774	-3,760	2,003
1,8751			0,000					
1,9	-3,533	4,947	-0,168	77,704	106,413	142,364	-4,758	2,575
2,0	**-5,081**	**5,429**	**-0,918**	**17,433**	**23,322**	**27,038**	**-5,980**	**3,296**
2,1	-6,910	6,010	-1,804	10,782	14,017	13,117	-7,480	4,213
2,2	-9,064	6,709	-2,846	8,231	10,331	6,750	-9,332	5,391
2,3	-11,591	7,548	-4,069	6,878	8,266	2,411	-11,643	6,926
2,3650						0,001		
2,4	-14,554	8,559	-5,501	6,031	6,866	-1,237	-14,572	8,968
2,5	**-18,026**	**9,780**	**-7,178**	**5,442**	**5,784**	**-4,700**	**-18,377**	**11,763**
2,6	-22,100	11,263	-9,145	4,997	4,860	-8,228	-23,493	15,735
2,7	-26,894	13,075	-11,457	4,639	4,008	-11,973	-30,749	21,699
2,8	-32,566	15,308	-14,189	4,332	3,175	-16,050	-41,930	31,425
2,9	-39,325	18,094	-17,441	4,055	2,322	-20,555	-61,758	49,624
3,0	**-47,468**	**21,617**	**-21,353**	**3,793**	**1,419**	**-25,585**	**-108,273**	**94,316**
3,1	-57,425	26,156	-26,128	3,535	0,438	-31,242	-372,878	356,887
3,1416	-62,245	28,437	-28,437	3,425	0,000	-33,807		
3,2	-69,852	32,143	-32,079	3,269	-0,650	-37,644	263,755	-282,010
3,3	-85,816	40,291	-39,707	2,987	-1,875	-44,932	94,464	-115,235
3,4	-107,175	51,855	-49,892	2,678	-3,275	-53,280	54,654	-78,217
3,5	**-137,510**	**69,272**	**-64,325**	**2,333**	**-4,896**	**-62,911**	**35,753**	**-62,409**
3,6	-184,761	97,972	-86,755	1,936	-6,800	-74,123	23,911	-53,992
3,7	-270,839	152,982	-127,529	1,470	-9,071	-87,324	15,182	-49,054
3,8	-486,792	296,835	-229,635	0,908	-11,828	-103,092	8,004	-46,069
3,9	-2292,246	1532,449	-1082,232	0,214	-15,249	-122,288	1,622	-44,326
3,9266				0,000			0,000	
4,0	**807,612**	**-602,990**	**381,184**	**-0,672**	**-19,611**	**-146,251**	**-4,383**	**-43,456**
4,1	325,041	-277,346	153,152	-1,845	-25,379	-177,209	-10,272	-43,256
4,2	190,401	-191,329	89,378	-3,481	-33,388	-219,171	-16,223	-43,614
4,3	123,629	-152,551	57,630	-5,932	-45,318	-280,186	-22,377	-44,470
4,4	81,258	-131,202	37,383	-10,026	-65,130	-379,208	-28,849	-45,804
4,5	**50,102**	**-118,284**	**22,411**	**-18,297**	**-104,942**	**-574,192**	**-35,749**	**-47,622**
4,6	24,766	-110,164	10,164	-44,054	-228,376	-1169,312	-43,185	-49,956
4,694			0,009					
4,7	2,605	-105,110	-0,610	800,192	3807,445	18119,664	-51,277	-52,860
4,7124	0,000	-104,646	-1,880	262,308	1235,895	5824,960	-52,332	-53,263
4,73							-53,852	-53,854
4,8	-17,859	-102,202	-10,609	50,035	220,749	966,670	-60,160	-56,419
4,9	-37,543	-100,925	-20,270	28,439	117,108	464,954	-69,998	-60,751
5,0	**-57,072**	**-100,983**	**-29,892**	**20,909**	**80,673**	**284,081**	**-80,994**	**-66,019**
5,1	-76,914	-102,214	-39,698	17,042	61,713	186,264	-93,409	-72,449
5,2	-97,456	-104,542	-49,875	14,660	49,812	121,672	-107,592	-80,354
5,3	-119,043	-107,961	-60,594	13,022	41,423	73,315	-124,026	-90,184
5,4	-142,019	-112,522	-72,020	11,806	35,004	33,781	-143,400	-102,595
5,5	**-166,746**	**-118,329**	**-84,335**	**10,850**	**29,772**	**-0,721**	**-166,747**	**-118,586**
5,6	-193,632	-125,549	-97,739	10,062	25,283	-32,361	-195,690	-139,748
5,7	-223,163	-134,423	-112,476	9,385	21,264	-62,510	-232,954	-168,767
5,8	-255,944	-145,291	-128,847	8,783	17,530	-92,110	-283,497	-210,568
5,9	-292,751	-158,623	-147,240	8,230	13,950	-121,866	-357,434	-275,224
6,0	**-334,626**	**-175,083**	**-168,177**	**7,706**	**10,422**	**-152,353**	**-479,127**	**-387,057**
6,1	-383,009	-195,622	-192,378	7,197	6,862	-184,088	-726,085	-623,527
6,2	-439,975	-221,644	-220,884	6,690	3,192	-217,569	-1548,372	-1434,650
6,2832	-496,104	-248,978	-248,978	6,260	0,000	-247,126		