

Z.U.O. "EKO - SOFT"  
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HAŁAS PRZEMYSŁOWY I DROGOWY  
 PROGRAM SON2 WERSJA 4.0

Licencja nr RM/15687/s12/2st/13 z dnia 19.02.2013

DANE WEJŚCIOWE

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Rodzaj obliczeń: Poziom hałasu równoważnego

1. Nazwa projektu:
2. Temperatura powietrza [st C.] = 10
3. Wilgotność względna powietrza [%] = 70
4. Tło akustyczne dB(A):
  - Pora dnia : 0
  - Pora nocy : 0

5. Rodzaj gruntu przeważającego: grunt mieszany, wskaźnik gruntu G = 0.8
6. Obszar nr 1 gruntu innej kategorii, o nazwie: las - rodzaj gruntu : grunt porowaty, wskaźnik gruntu G = 1

współrzędne wierzchołków wielokąta obszaru "las"

Lp	współrzędne wierzchołków	
	x	y
	m	
1	1.3	558.8
2	43.1	566.7
3	65.3	601.9
4	168.4	543.2
5	232.4	535.3
6	270.3	564.1
7	302.9	514.4
8	327.7	476.6
9	223.3	387.8
10	347.3	259.8
11	269.0	194.5
12	299.0	150.2
13	259.8	117.5
14	267.7	90.1
15	237.6	30.0

16	244.2	5.2
17	211.5	3.9
18	117.5	91.4
19	58.8	184.1
20	-1.3	231.1

7. Obszar nr 2 gruntu innej kategorii , o nazwie: las - rodzaj gruntu : grunt porowaty, wskaźnik gruntu G = 1

współrzędne wierzchołków wielokąta obszaru "las"

Lp	współrzędne wierzchołków	
	x	y
	m	m
1	711.6	305.5
2	727.3	292.5
3	719.4	283.3
4	731.2	255.9
5	716.8	241.6
6	726.0	190.6
7	699.9	171.0
8	635.9	236.3

8. Obszar nr 3 gruntu innej kategorii , o nazwie: las - rodzaj gruntu : grunt porowaty, wskaźnik gruntu G = 1

współrzędne wierzchołków wielokąta obszaru "las"

Lp	współrzędne wierzchołków	
	x	y
	m	m
1	805.6	271.6
2	836.9	308.1
3	903.5	291.2
4	925.7	271.6
5	940.1	242.9
6	963.6	248.1
7	989.7	218.1
8	994.9	207.6
9	966.2	203.7
10	919.2	220.7
11	876.1	199.8
12	847.4	203.7
13	820.0	237.6
14	820.0	252.0

9. Obszar nr 4 gruntu innej kategorii , o nazwie: las - rodzaj gruntu : grunt porowaty, wskaźnik gruntu G = 1

współrzędne wierzchołków wielokąta obszaru "las"

Lp	współrzędne wierzchołków	
	x	y
	m	m

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1	0.0	0.0
2	908.8	493.6
3	889.2	468.7
4	886.6	428.3
5	840.9	428.3
6	762.5	357.8
7	741.6	389.1
8	750.8	400.8
9	723.4	441.3
10	719.4	477.9
11	723.4	519.7
12	677.7	566.7
13	692.0	603.2
14	675.0	651.5
15	477.9	800.4
16	645.0	800.4
17	795.2	752.1
18	1000.2	745.5
19	992.3	695.9
20	1004.1	553.6
21	968.8	552.3
22	936.2	591.5
23	867.0	528.8

10. Punktowe źródła hałasu

Lp	Symbol	współrzędne źródła			ht	Rodzaj źródła	LAW	tD	tN	Do
		x	y	z			dB(A)	h	h	dB
		m	m	m	m					
1	wentylator dachowy	579.3	420.4	4.8	0.0	wszechkier.	70.9	8.000	1.000	
2	wentylator dachowy	585.4	426.1	4.8	0.0	wszechkier.	70.9	8.000	1.000	
3	wentylator dachowy	591.9	434.8	4.8	0.0	wszechkier.	70.9	8.000	1.000	
4	wentylator dachowy	600.2	443.1	4.8	0.0	wszechkier.	70.9	8.000	1.000	
5	wentylator dachowy	606.7	450.5	4.8	0.0	wszechkier.	70.9	8.000	1.000	
6	wentylator dachowy	612.8	457.9	4.8	0.0	wszechkier.	70.9	8.000	1.000	
7	wentylator dachowy	619.3	462.6	4.8	0.0	wszechkier.	70.9	8.000	1.000	
8	wentylator dachowy	625.4	469.6	4.8	0.0	wszechkier.	70.9	8.000	1.000	
9	wentylator dachowy	632.0	475.7	4.8	0.0	wszechkier.	70.9	8.000	1.000	
10	wentylator dachowy 1	637.2	480.9	4.8	0.0	wszechkier.	70.9	8.000	1.000	
11	wentylator dachowy 1	641.1	485.7	4.8	0.0	wszechkier.	70.9	8.000	1.000	
12	wentylator dachowy 1	647.2	490.1	4.8	0.0	wszechkier.	70.9	8.000	1.000	
13	wentylator boczny	558.8	437.4	1.6	0.0	wszechkier.	70.9	8.000	1.000	
14	wentylator boczny	560.6	440.5	1.6	0.0	wszechkier.	70.9	8.000	1.000	
15	wentylator boczny	567.1	446.5	1.6	0.0	wszechkier.	70.9	8.000	1.000	
16	wentylator boczny	572.3	452.2	1.6	0.0	wszechkier.	70.9	8.000	1.000	
17	wentylator boczny	577.6	457.4	1.6	0.0	wszechkier.	70.9	8.000	1.000	
18	wentylator boczny	582.8	462.6	1.6	0.0	wszechkier.	70.9	8.000	1.000	
19	wentylator boczny	588.0	467.9	1.6	0.0	wszechkier.	70.9	8.000	1.000	
20	wentylator boczny	594.1	474.0	1.6	0.0	wszechkier.	70.9	8.000	1.000	

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21	wentylator boczny	600.6	481.8	1.6	0.0	wszechkier.	70.9	8.000	1.000
22	wentylator boczny	606.7	486.6	1.6	0.0	wszechkier.	70.9	8.000	1.000
23	wentylator boczny	615.0	493.6	1.6	0.0	wszechkier.	70.9	8.000	1.000
24	wentylator boczny	621.5	499.2	1.6	0.0	wszechkier.	70.9	8.000	1.000
25	wentylator boczny	628.9	506.6	1.6	0.0	wszechkier.	70.9	8.000	1.000
26	wentylator boczny	638.0	516.6	1.6	0.0	wszechkier.	70.9	8.000	1.000
27	wentylator boczny	645.0	523.6	1.6	0.0	wszechkier.	70.9	8.000	1.000
28	wentylator dachowy 2	548.4	501.8	6.5	0.0	wszechkier.	70.9	8.000	1.000
29	wentylator dachowy 2	557.1	508.8	6.5	0.0	wszechkier.	70.9	8.000	1.000
30	wentylator dachowy 3	567.1	516.6	6.5	0.0	wszechkier.	70.9	8.000	1.000
31	wentylator dachowy 3	577.6	529.7	6.5	0.0	wszechkier.	70.9	8.000	1.000
32	wentylator dachowy 3	591.0	543.6	6.5	0.0	wszechkier.	70.9	8.000	1.000
33	wentylator dachowy 3	600.6	552.7	6.5	0.0	wszechkier.	70.9	8.000	1.000
34	wentylator dachowy 3	495.3	236.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
35	wentylator dachowy 3	501.4	242.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
36	wentylator dachowy 3	510.5	249.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
37	wentylator dachowy 3	517.5	256.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
38	wentylator dachowy 3	524.0	263.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
39	wentylator dachowy 3	533.2	270.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
40	wentylator dachowy 4	541.0	279.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
41	wentylator dachowy 4	545.8	284.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
42	wentylator dachowy 4	473.1	257.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
43	wentylator dachowy 4	478.3	262.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
44	wentylator dachowy 4	484.4	268.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
45	wentylator dachowy 4	493.6	275.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
46	wentylator dachowy 4	503.1	285.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
47	wentylator dachowy 4	509.2	293.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
48	wentylator dachowy 4	517.5	300.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
49	wentylator dachowy 4	524.0	306.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
50	wentylator dachowy 5	584.9	489.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
51	wentylator dachowy 5	589.3	495.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
52	wentylator dachowy 5	596.7	502.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
53	wentylator dachowy 5	603.7	508.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
54	wentylator dachowy 5	611.9	517.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
55	wentylator dachowy 5	619.3	526.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
56	wentylator dachowy 5	628.0	531.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
57	wentylator dachowy 5	633.3	539.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
58	wentylator dachowy 5	420.4	249.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
59	wentylator dachowy 5	428.3	255.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
60	wentylator dachowy 6	434.8	261.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
61	wentylator dachowy 6	442.2	269.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
62	wentylator dachowy 6	447.0	273.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
63	wentylator dachowy 6	455.3	280.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
64	wentylator dachowy 6	461.3	286.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
65	wentylator dachowy 6	467.0	291.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
66	wentylator dachowy 6	474.0	296.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
67	wentylator dachowy 6	479.2	302.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
68	wentylator dachowy 6	484.4	306.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
69	wentylator dachowy 6	493.6	314.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
70	wentylator dachowy 7	394.3	263.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
71	wentylator dachowy 7	400.4	269.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
72	wentylator dachowy 7	409.1	276.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
73	wentylator dachowy 7	417.0	283.3	7.5	0.0	wszechkier.	70.9	8.000	1.000

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74	wentylator	dachowy	7	424.8	290.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
75	wentylator	dachowy	7	432.6	297.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
76	wentylator	dachowy	7	442.2	305.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
77	wentylator	dachowy	7	450.5	312.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
78	wentylator	dachowy	7	457.0	319.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
79	wentylator	dachowy	7	464.0	326.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
80	wentylator	dachowy	8	470.9	332.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
81	wentylator	dachowy	8	478.3	338.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
82	wentylator	dachowy	8	322.1	311.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
83	wentylator	dachowy	8	327.3	317.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
84	wentylator	dachowy	8	334.7	322.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
85	wentylator	dachowy	8	341.2	328.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
86	wentylator	dachowy	8	348.6	336.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
87	wentylator	dachowy	8	354.7	342.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
88	wentylator	dachowy	8	361.7	348.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
89	wentylator	dachowy	8	367.3	354.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
90	wentylator	dachowy	9	373.4	359.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
91	wentylator	dachowy	9	381.7	365.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
92	wentylator	dachowy	9	388.2	370.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
93	wentylator	dachowy	9	395.2	376.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
94	wentylator	dachowy	9	401.7	382.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
95	wentylator	dachowy	9	406.9	388.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
96	wentylator	dachowy	9	413.0	393.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
97	wentylator	dachowy	9	420.4	398.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
98	wentylator	dachowy	9	302.5	335.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
99	wentylator	dachowy	9	308.6	339.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
100	wentylator	dachowy	1	315.1	345.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
101	wentylator	dachowy	1	322.5	353.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
102	wentylator	dachowy	1	329.5	358.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
103	wentylator	dachowy	1	334.3	364.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
104	wentylator	dachowy	1	339.5	369.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
105	wentylator	dachowy	1	346.4	373.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
106	wentylator	dachowy	1	353.8	380.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
107	wentylator	dachowy	1	360.4	386.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
108	wentylator	dachowy	1	366.5	392.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
109	wentylator	dachowy	1	372.1	398.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
110	wentylator	dachowy	1	378.2	403.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
111	wentylator	dachowy	1	384.7	408.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
112	wentylator	dachowy	1	390.0	414.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
113	wentylator	dachowy	1	396.1	418.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
114	wentylator	dachowy	1	277.7	361.2	7.5	0.0	wszechkier.	70.9	8.000	1.000
115	wentylator	dachowy	1	285.1	366.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
116	wentylator	dachowy	1	291.2	371.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
117	wentylator	dachowy	1	296.0	377.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
118	wentylator	dachowy	1	301.2	382.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
119	wentylator	dachowy	1	306.4	386.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
120	wentylator	dachowy	1	312.1	392.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
121	wentylator	dachowy	1	318.2	397.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
122	wentylator	dachowy	1	325.6	403.5	7.5	0.0	wszechkier.	70.9	8.000	1.000
123	wentylator	dachowy	1	329.5	407.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
124	wentylator	dachowy	1	335.6	412.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
125	wentylator	dachowy	1	343.0	419.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
126	wentylator	dachowy	1	349.9	424.8	7.5	0.0	wszechkier.	70.9	8.000	1.000

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127	wentylator	dachowy	1	356.0	430.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
128	wentylator	dachowy	1	363.0	437.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
129	wentylator	dachowy	1	369.9	442.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
130	wentylator	dachowy	1	259.0	385.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
131	wentylator	dachowy	1	263.7	391.7	7.5	0.0	wszechkier.	70.9	8.000	1.000
132	wentylator	dachowy	1	270.3	397.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
133	wentylator	dachowy	1	276.8	403.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
134	wentylator	dachowy	1	280.7	406.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
135	wentylator	dachowy	1	288.6	413.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
136	wentylator	dachowy	1	292.5	417.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
137	wentylator	dachowy	1	298.6	422.6	7.5	0.0	wszechkier.	70.9	8.000	1.000
138	wentylator	dachowy	1	303.8	427.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
139	wentylator	dachowy	1	311.2	434.4	7.5	0.0	wszechkier.	70.9	8.000	1.000
140	wentylator	dachowy	1	317.7	439.1	7.5	0.0	wszechkier.	70.9	8.000	1.000
141	wentylator	dachowy	1	322.9	443.9	7.5	0.0	wszechkier.	70.9	8.000	1.000
142	wentylator	dachowy	1	327.7	448.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
143	wentylator	dachowy	1	334.3	455.3	7.5	0.0	wszechkier.	70.9	8.000	1.000
144	wentylator	dachowy	1	342.1	461.8	7.5	0.0	wszechkier.	70.9	8.000	1.000
145	wentylator	dachowy	1	348.2	467.0	7.5	0.0	wszechkier.	70.9	8.000	1.000
146	wentylator	szczytowy		568.0	420.4	1.6	0.0	wszechkier.	85.9	8.000	
147	wentylator	szczytowy		569.3	417.8	1.6	0.0	wszechkier.	85.9	8.000	
148	wentylator	szczytowy		570.6	416.5	1.6	0.0	wszechkier.	85.9	8.000	
149	wentylator	szczytowy		572.3	415.2	1.6	0.0	wszechkier.	85.9	8.000	
150	wentylator	szczytowy		573.6	413.0	1.6	0.0	wszechkier.	85.9	8.000	
151	wentylator	szczytowy		575.4	411.7	1.6	0.0	wszechkier.	85.9	8.000	
152	wentylator	szczytowy		576.7	410.4	1.6	0.0	wszechkier.	85.9	8.000	
153	wentylator	szczytowy		578.0	408.7	1.6	0.0	wszechkier.	85.9	8.000	
154	wentylator	szczytowy		571.5	415.2	3.0	0.0	wszechkier.	85.9	8.000	
155	wentylator	szczytowy		573.6	413.5	3.0	0.0	wszechkier.	85.9	8.000	
156	wentylator	szczytowy		562.3	443.1	1.6	0.0	wszechkier.	85.9	8.000	
157	wentylator	szczytowy		564.5	445.2	1.6	0.0	wszechkier.	85.9	8.000	
158	wentylator	szczytowy		570.2	449.2	1.6	0.0	wszechkier.	85.9	8.000	
159	wentylator	szczytowy		575.4	455.3	1.6	0.0	wszechkier.	85.9	8.000	
160	wentylator	szczytowy		580.2	460.9	1.6	0.0	wszechkier.	85.9	8.000	
161	wentylator	szczytowy		585.8	465.7	1.6	0.0	wszechkier.	85.9	8.000	
162	wentylator	szczytowy		591.0	471.8	1.6	0.0	wszechkier.	85.9	8.000	
163	wentylator	szczytowy		598.4	478.3	1.6	0.0	wszechkier.	85.9	8.000	
164	wentylator	szczytowy		604.1	484.0	1.6	0.0	wszechkier.	85.9	8.000	
165	wentylator	szczytowy		610.2	490.1	1.6	0.0	wszechkier.	85.9	8.000	
166	wentylator	szczytowy		633.3	512.3	1.6	0.0	wszechkier.	85.9	8.000	
167	wentylator	szczytowy		642.4	519.7	1.6	0.0	wszechkier.	85.9	8.000	
168	wentylator	szczytowy		600.2	562.8	1.6	0.0	wszechkier.	85.9	8.000	
169	wentylator	szczytowy		602.8	560.6	1.6	0.0	wszechkier.	85.9	8.000	
170	wentylator	szczytowy		604.1	558.8	1.6	0.0	wszechkier.	85.9	8.000	
171	wentylator	szczytowy		605.4	557.5	1.6	0.0	wszechkier.	85.9	8.000	
172	wentylator	szczytowy		608.5	556.2	1.6	0.0	wszechkier.	85.9	8.000	
173	wentylator	szczytowy		609.8	554.5	1.6	0.0	wszechkier.	85.9	8.000	
174	wentylator	szczytowy		481.8	235.5	1.6	0.0	wszechkier.	85.9	8.000	
175	wentylator	szczytowy		484.8	233.7	1.6	0.0	wszechkier.	85.9	8.000	
176	wentylator	szczytowy		486.2	232.3	1.6	0.0	wszechkier.	85.9	8.000	
177	wentylator	szczytowy		487.9	230.7	1.6	0.0	wszechkier.	85.9	8.000	
178	wentylator	szczytowy		489.6	229.8	1.6	0.0	wszechkier.	85.9	8.000	
179	wentylator	szczytowy		491.4	228.5	1.6	0.0	wszechkier.	85.9	8.000	

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180	wentylator	szczytowy	461.3	259.0	1.6	0.0	wszechkier.	85.9	8.000
181	wentylator	szczytowy	463.0	257.1	1.6	0.0	wszechkier.	85.9	8.000
182	wentylator	szczytowy	464.0	255.9	1.6	0.0	wszechkier.	85.9	8.000
183	wentylator	szczytowy	467.4	251.6	1.6	0.0	wszechkier.	85.9	8.000
184	wentylator	szczytowy	469.9	250.2	1.6	0.0	wszechkier.	85.9	8.000
185	wentylator	szczytowy	470.9	248.5	1.6	0.0	wszechkier.	85.9	8.000
186	wentylator	szczytowy	633.9	552.1	1.6	0.0	wszechkier.	85.9	8.000
187	wentylator	szczytowy	635.8	550.5	1.6	0.0	wszechkier.	85.9	8.000
188	wentylator	szczytowy	637.6	548.9	1.6	0.0	wszechkier.	85.9	8.000
189	wentylator	szczytowy	639.8	547.1	1.6	0.0	wszechkier.	85.9	8.000
190	wentylator	szczytowy	642.8	544.9	1.6	0.0	wszechkier.	85.9	8.000
191	wentylator	szczytowy	644.6	543.6	1.6	0.0	wszechkier.	85.9	8.000
192	wentylator	szczytowy	648.1	540.6	1.6	0.0	wszechkier.	85.9	8.000
193	wentylator	szczytowy	407.8	252.0	1.6	0.0	wszechkier.	85.9	8.000
194	wentylator	szczytowy	409.1	250.7	1.6	0.0	wszechkier.	85.9	8.000
195	wentylator	szczytowy	410.4	249.4	1.6	0.0	wszechkier.	85.9	8.000
196	wentylator	szczytowy	411.8	248.1	1.6	0.0	wszechkier.	85.9	8.000
197	wentylator	szczytowy	413.0	246.8	1.6	0.0	wszechkier.	85.9	8.000
198	wentylator	szczytowy	414.8	244.7	1.6	0.0	wszechkier.	85.9	8.000
199	wentylator	szczytowy	416.3	243.1	1.6	0.0	wszechkier.	85.9	8.000
200	wentylator	szczytowy	417.3	241.9	1.6	0.0	wszechkier.	85.9	8.000
201	wentylator	szczytowy	418.9	240.1	1.6	0.0	wszechkier.	85.9	8.000
202	wentylator	szczytowy	420.4	238.5	1.6	0.0	wszechkier.	85.9	8.000
203	wentylator	szczytowy	382.6	268.1	1.6	0.0	wszechkier.	85.9	8.000
204	wentylator	szczytowy	384.3	265.1	1.6	0.0	wszechkier.	85.9	8.000
205	wentylator	szczytowy	385.6	263.7	1.6	0.0	wszechkier.	85.9	8.000
206	wentylator	szczytowy	386.9	262.9	1.6	0.0	wszechkier.	85.9	8.000
207	wentylator	szczytowy	389.3	260.5	1.6	0.0	wszechkier.	85.9	8.000
208	wentylator	szczytowy	390.0	259.4	1.6	0.0	wszechkier.	85.9	8.000
209	wentylator	szczytowy	391.8	257.5	1.6	0.0	wszechkier.	85.9	8.000
210	wentylator	szczytowy	393.0	256.4	1.6	0.0	wszechkier.	85.9	8.000
211	wentylator	szczytowy	394.3	253.7	1.6	0.0	wszechkier.	85.9	8.000
212	wentylator	szczytowy	394.8	253.3	1.6	0.0	wszechkier.	85.9	8.000
213	wentylator	szczytowy	308.7	314.5	1.6	0.0	wszechkier.	85.9	8.000
214	wentylator	szczytowy	309.8	313.6	1.6	0.0	wszechkier.	85.9	8.000
215	wentylator	szczytowy	309.8	312.1	1.6	0.0	wszechkier.	85.9	8.000
216	wentylator	szczytowy	311.9	310.1	1.6	0.0	wszechkier.	85.9	8.000
217	wentylator	szczytowy	313.3	309.2	1.6	0.0	wszechkier.	85.9	8.000
218	wentylator	szczytowy	317.4	305.2	1.6	0.0	wszechkier.	85.9	8.000
219	wentylator	szczytowy	318.5	303.7	1.6	0.0	wszechkier.	85.9	8.000
220	wentylator	szczytowy	320.0	302.9	1.6	0.0	wszechkier.	85.9	8.000
221	wentylator	szczytowy	320.9	302.0	1.6	0.0	wszechkier.	85.9	8.000
222	wentylator	szczytowy	322.0	300.8	1.6	0.0	wszechkier.	85.9	8.000
223	wentylator	szczytowy	322.0	300.8	3.0	0.0	wszechkier.	85.9	8.000
224	wentylator	szczytowy	313.3	308.4	3.0	0.0	wszechkier.	85.9	8.000
225	wentylator	szczytowy	317.4	305.5	1.6	0.0	wszechkier.	85.9	8.000
226	wentylator	szczytowy	288.4	338.3	1.6	0.0	wszechkier.	85.9	8.000
227	wentylator	szczytowy	289.2	336.8	1.6	0.0	wszechkier.	85.9	8.000
228	wentylator	szczytowy	290.7	335.4	1.6	0.0	wszechkier.	85.9	8.000
229	wentylator	szczytowy	292.1	333.6	1.6	0.0	wszechkier.	85.9	8.000
230	wentylator	szczytowy	294.2	332.2	1.6	0.0	wszechkier.	85.9	8.000
231	wentylator	szczytowy	298.2	327.2	1.6	0.0	wszechkier.	85.9	8.000
232	wentylator	szczytowy	299.7	325.8	1.6	0.0	wszechkier.	85.9	8.000

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233	wentylator	szczytowy	300.5	324.3	1.6	0.0	wszechkier.	85.9	8.000	
234	wentylator	szczytowy	302.3	322.6	1.6	0.0	wszechkier.	85.9	8.000	
235	wentylator	szczytowy	303.4	321.7	3.0	0.0	wszechkier.	85.9	8.000	
236	wentylator	szczytowy	294.2	331.3	3.0	0.0	wszechkier.	85.9	8.000	
237	wentylator	szczytowy	297.4	326.9	1.6	0.0	wszechkier.	85.9	8.000	
238	wentylator	szczytowy	265.4	364.1	1.6	0.0	wszechkier.	85.9	8.000	
239	wentylator	szczytowy	266.6	363.2	1.6	0.0	wszechkier.	85.9	8.000	
240	wentylator	szczytowy	267.8	362.0	1.6	0.0	wszechkier.	85.9	8.000	
241	wentylator	szczytowy	268.9	360.9	1.6	0.0	wszechkier.	85.9	8.000	
242	wentylator	szczytowy	270.7	359.1	1.6	0.0	wszechkier.	85.9	8.000	
243	wentylator	szczytowy	274.4	354.8	1.6	0.0	wszechkier.	85.9	8.000	
244	wentylator	szczytowy	276.2	353.3	1.6	0.0	wszechkier.	85.9	8.000	
245	wentylator	szczytowy	277.6	351.6	1.6	0.0	wszechkier.	85.9	8.000	
246	wentylator	szczytowy	278.8	350.4	1.6	0.0	wszechkier.	85.9	8.000	
247	wentylator	szczytowy	280.2	348.7	3.0	0.0	wszechkier.	85.9	8.000	
248	wentylator	szczytowy	270.1	359.1	3.0	0.0	wszechkier.	85.9	8.000	
249	wentylator	szczytowy	274.4	354.8	1.6	0.0	wszechkier.	85.9	8.000	
250	wentylator	szczytowy	244.8	386.7	1.6	0.0	wszechkier.	85.9	8.000	
251	wentylator	szczytowy	245.7	385.0	1.6	0.0	wszechkier.	85.9	8.000	
252	wentylator	szczytowy	247.2	383.5	1.6	0.0	wszechkier.	85.9	8.000	
253	wentylator	szczytowy	248.6	382.6	1.6	0.0	wszechkier.	85.9	8.000	
254	wentylator	szczytowy	249.8	380.6	1.6	0.0	wszechkier.	85.9	8.000	
255	wentylator	szczytowy	252.7	378.0	1.6	0.0	wszechkier.	85.9	8.000	
256	wentylator	szczytowy	254.1	376.6	1.6	0.0	wszechkier.	85.9	8.000	
257	wentylator	szczytowy	256.2	374.2	1.6	0.0	wszechkier.	85.9	8.000	
258	wentylator	szczytowy	257.3	372.8	1.6	0.0	wszechkier.	85.9	8.000	
259	wentylator	szczytowy	259.4	370.7	3.0	0.0	wszechkier.	85.9	8.000	
260	wentylator	szczytowy	250.1	380.3	3.0	0.0	wszechkier.	85.9	8.000	
261	agregat prądowórczy		594.1	413.7	2.0	0.0	wszechkier.	97.0	1.000	0.500
262	rozładunek paszy 1		418.0	422.1	1.5	0.0	wszechkier.	105.0	1.000	
263	rozładunek paszy 2		556.4	488.8	1.5	0.0	wszechkier.	105.0	1.000	

11. Liniiowe źródła hałasu

Lp	Symbol	Początek				Koniec				LAW	tD	tN	D0
		x1	y1	z1	h1t	x2	y2	z2	h2t				
		m	m	m	m	m	m	m	m	dB(A)	h	h	dB
1	transport	416.5	416.5	1.5	0.0	427.8	457.4	1.5	0.0	85.0	0.110		
2	transport	427.8	457.4	1.5	0.0	509.7	363.0	1.5	0.0	85.0	0.110		
3	transport	509.7	363.0	1.5	0.0	490.5	339.5	1.5	0.0	85.0	0.110		
4	transport	514.9	361.2	1.5	0.0	556.2	406.5	1.5	0.0	85.0	0.110		
5	transport	556.2	406.5	1.5	0.0	542.7	449.2	1.5	0.0	85.0	0.110		
6	transport	542.7	449.2	1.5	0.0	549.7	484.0	1.5	0.0	85.0	0.110		

LAW - poziom mocy akustycznej źródła nominalny

tD - czas pracy źródła w przedziale 8 kolejnych najmniej korzystnych godzin dnia

tN - czas pracy źródła w przedziale 1 najmniej korzystnej godziny nocy



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12. Ekrany - budynki

Lp	Symbol	wia- ta (w)	x1	y1	współrzędne x,y wierzchołków ekranu[m]				x4	y4	ho m	h1 m	ht m	współczynniki odbicia scian nr 1 - 4			
					x2	y2	x3	y3									
1	kurnik 1		567.3	423.0	646.3	500.1	663.3	484.4	581.7	409.3	0.0	4.3	0.0	0.9	0.9	0.9	0.9
2	kurnik 2		555.6	434.8	649.6	526.8	658.1	520.3	565.4	426.3	0.0	6.0	0.0	0.9	0.9	0.9	0.9
3	kurnik 3		534.7	500.7	596.7	564.1	609.8	551.0	547.1	488.3	0.0	6.0	0.0	0.9	0.9	0.9	0.9
4	kurnik 4		479.8	237.0	541.2	295.1	553.6	283.3	494.9	225.9	0.0	7.0	0.0	0.9	0.9	0.9	0.9
5	kurnik 5		459.6	260.5	520.3	318.6	533.4	303.6	474.0	246.1	0.0	7.0	0.0	0.9	0.9	0.9	0.9
6	kurnik 6		571.2	492.9	630.6	554.9	648.9	539.3	587.6	479.2	0.0	7.0	0.0	0.9	0.9	0.9	0.9
7	kurnik 7		406.1	254.6	488.3	329.0	505.3	312.7	421.1	237.6	0.0	7.0	0.0	0.9	0.9	0.9	0.9
8	kurnik 8		381.3	270.3	475.3	351.9	488.3	334.9	396.9	251.3	0.0	7.0	0.0	0.9	0.9	0.9	0.9
9	kurnik 9		308.1	316.6	415.9	411.9	430.9	394.3	323.8	299.7	0.0	7.0	0.0	0.9	0.9	0.9	0.9
10	kurnik 10		287.9	340.1	394.3	434.1	412.6	414.6	304.9	320.5	0.0	7.0	0.0	0.9	0.9	0.9	0.9
11	kurnik 11		265.1	365.6	372.1	459.6	388.4	443.3	284.0	346.0	0.0	7.0	0.0	0.9	0.9	0.9	0.9
12	kurnik 12		243.5	387.8	350.6	484.4	366.2	466.8	261.8	369.5	0.0	7.0	0.0	0.9	0.9	0.9	0.9
13	budynek gospodarczy		540.6	374.1	551.7	361.0	532.7	342.7	522.3	357.1	0.0	4.0	0.0	0.9	0.9	0.9	0.9
14	budynek gospodarczy		539.9	342.7	569.9	314.0	564.7	308.1	535.3	338.2	0.0	4.0	0.0	0.9	0.9	0.9	0.9
15	budynek gospodarczy		599.3	308.1	605.8	301.6	589.5	284.0	582.3	291.8	0.0	4.0	0.0	0.9	0.9	0.9	0.9
16	budynek gospodarczy		597.4	285.3	618.2	265.7	613.0	261.1	592.8	280.7	0.0	4.0	0.0	0.9	0.9	0.9	0.9
17	budynek gospodarczy		627.4	350.6	637.2	360.4	641.1	356.5	630.6	346.7	0.0	4.0	0.0	0.9	0.9	0.9	0.9
18	budynek gospodarczy		672.0	386.5	658.9	373.9	651.5	382.1	662.0	393.9	0.0	4.0	0.0	0.9	0.9	0.9	0.9
19	budynek gospodarczy		651.1	356.9	676.3	382.6	683.7	375.6	656.3	352.1	0.0	4.0	0.0	0.9	0.9	0.9	0.9
20	budynek gospodarczy		676.3	351.7	687.2	363.9	694.2	356.0	682.4	345.1	0.0	4.0	0.0	0.9	0.9	0.9	0.9
21	budynek gospodarczy		682.9	333.4	689.0	326.9	677.7	316.8	672.4	321.6	0.0	4.0	0.0	0.9	0.9	0.9	0.9
22	budynek gospodarczy		481.8	444.4	531.9	383.9	514.0	369.5	461.3	429.1	0.0	4.0	0.0	0.9	0.9	0.9	0.9
23	budynek mieszkalny		622.8	344.7	607.6	329.5	596.3	338.2	613.7	353.8	0.0	8.0	0.0	0.9	0.9	0.9	0.9
24	budynek mieszkalny		651.5	312.9	641.5	304.7	628.9	314.7	636.7	324.7	0.0	8.0	0.0	0.9	0.9	0.9	0.9
25	budynek mieszkalny		652.8	337.7	664.6	328.2	657.6	319.5	644.6	329.9	0.0	8.0	0.0	0.9	0.9	0.9	0.9

13. Obszary zieleni

Lp	Nazwa	wyso- kość[m]	ht	współrzędne wierzchołków wieloboków zieleni[m]							
				x	y	x	y	x	y	x	y
1	las	7.0	0.0	1.3	560.1	40.5	568.0	168.4	543.2	235.0	536.6
				262.4	561.4	302.9	517.1	329.0	477.9	223.3	387.8
				347.3	258.5	266.4	199.8	302.9	150.2	263.7	122.7
				267.7	91.4	237.6	31.3	244.2	6.5	212.8	6.5
				148.8	71.8	111.0	95.3	83.6	144.9	60.1	184.1

## hałas obliczenia.txt

2	las	7.0	0.0	33.9	223.3	-2.6	232.4	726.0	304.2	727.9	304.2
				741.6	331.6	746.9	325.1	726.0	304.2	727.9	304.2
				727.3	291.2	721.4	287.3	731.2	256.6	716.2	244.2
				728.6	196.5	697.2	166.5	688.8	171.7	637.2	235.0
3	las	7.0	0.0	803.0	271.6	838.9	308.8	899.6	291.2	925.1	274.8
				941.4	241.6	962.3	248.1	993.6	214.8	993.0	205.6
				962.9	202.4	921.2	220.7	909.4	211.5	878.1	202.4
				851.3	204.3	840.2	214.8	821.9	237.0	818.0	254.6
4	las	7.0	0.0	1004.7	562.8	990.4	561.4	979.9	551.7	955.8	588.9
				931.6	602.6	862.4	532.7	913.3	486.4	891.8	467.4
				889.8	420.4	843.5	422.4	769.1	359.1	741.0	388.4
				750.1	400.8	722.7	434.8	718.8	476.6	727.3	488.3
				723.4	515.1	679.0	578.4	694.0	598.0	676.3	650.9
				641.1	622.2	572.5	695.9	518.4	774.9	496.2	764.5
				476.6	798.4	654.8	798.4	745.5	776.9	795.2	748.8
				805.6	763.2	965.6	731.8	972.7	750.8	992.3	749.5
				986.4	702.5	1004.7	696.6				

## 14. współrzędne wierzchołków wieloboku terenu zakładu

Lp	współrzędne wierzchołków	
	x	y
	m	m
1	376.0	509.2
2	226.5	383.9
3	352.5	259.8
4	401.5	241.6
5	460.3	182.8
6	994.9	697.2
7	880.0	718.8
8	849.4	718.8
9	782.8	754.0
10	583.0	558.8
11	544.5	594.7
12	427.6	466.1
13	382.6	513.1

z - wysokość źródła nad gruntem ; ht - wysokość gruntu względem płaszczyzny odniesienia

koniec danych

LAeq , pory dnia i nocy

Nr punktu	współrzędne punktów			wysokość terenu	Poziom dźwięku w porze	
	x	y	z		dnia	nocy
	m	m	m	m	dB(A)	dB(A)
1	0.0	800.0	4.0	0.0	33.6	26.8
2	25.0	800.0	4.0	0.0	34.1	26.6
3	50.0	800.0	4.0	0.0	34.3	26.8

## hałas obliczenia.txt

4	75.0	800.0	4.0	0.0	34.3	27.3
5	100.0	800.0	4.0	0.0	34.2	27.5
6	125.0	800.0	4.0	0.0	34.2	28.4
7	150.0	800.0	4.0	0.0	35.5	26.8
8	175.0	800.0	4.0	0.0	35.9	27.0
9	200.0	800.0	4.0	0.0	35.3	26.9
10	225.0	800.0	4.0	0.0	35.2	26.3
11	250.0	800.0	4.0	0.0	35.3	26.6
12	275.0	800.0	4.0	0.0	36.2	27.8
13	300.0	800.0	4.0	0.0	36.4	28.1
14	325.0	800.0	4.0	0.0	36.7	28.4
15	350.0	800.0	4.0	0.0	37.1	28.7
16	375.0	800.0	4.0	0.0	37.4	28.9
17	400.0	800.0	4.0	0.0	37.6	29.7
18	425.0	800.0	4.0	0.0	38.3	29.6
19	450.0	800.0	4.0	0.0	38.5	29.4
20	475.0	800.0	4.0	0.0	38.8	29.5
21	500.0	800.0	4.0	0.0	37.7	28.9
22	525.0	800.0	4.0	0.0	36.7	27.9
23	550.0	800.0	4.0	0.0	35.1	27.4
24	575.0	800.0	4.0	0.0	34.4	27.1
25	600.0	800.0	4.0	0.0	33.9	26.7
26	625.0	800.0	4.0	0.0	32.9	26.6
27	650.0	800.0	4.0	0.0	32.1	26.3
28	675.0	800.0	4.0	0.0	31.9	26.4
29	700.0	800.0	4.0	0.0	31.3	26.1
30	725.0	800.0	4.0	0.0	30.9	25.7
31	750.0	800.0	4.0	0.0	30.7	25.1
32	775.0	800.0	4.0	0.0	30.6	24.1
33	800.0	800.0	4.0	0.0	30.9	25.5
34	825.0	800.0	4.0	0.0	30.6	23.4
35	850.0	800.0	4.0	0.0	29.1	23.5
36	875.0	800.0	4.0	0.0	28.5	23.4
37	900.0	800.0	4.0	0.0	28.5	23.5
38	925.0	800.0	4.0	0.0	28.1	23.4
39	950.0	800.0	4.0	0.0	27.6	23.6
40	975.0	800.0	4.0	0.0	27.0	23.2
41	1000.0	800.0	4.0	0.0	26.6	23.4
42	0.0	775.0	4.0	0.0	33.8	26.6
43	25.0	775.0	4.0	0.0	34.0	26.6
44	50.0	775.0	4.0	0.0	34.7	27.0
45	75.0	775.0	4.0	0.0	34.8	27.2
46	100.0	775.0	4.0	0.0	34.8	27.5
47	125.0	775.0	4.0	0.0	34.9	27.9
48	150.0	775.0	4.0	0.0	34.9	28.8
49	175.0	775.0	4.0	0.0	36.0	27.1
50	200.0	775.0	4.0	0.0	36.4	27.3
51	225.0	775.0	4.0	0.0	35.8	27.4
52	250.0	775.0	4.0	0.0	35.8	27.0
53	275.0	775.0	4.0	0.0	36.7	27.4
54	300.0	775.0	4.0	0.0	36.8	28.5
55	325.0	775.0	4.0	0.0	37.2	28.8
56	350.0	775.0	4.0	0.0	37.5	29.0

## hałas obliczenia.txt

57	375.0	775.0	4.0	0.0	37.8	29.2
58	400.0	775.0	4.0	0.0	38.1	29.3
59	425.0	775.0	4.0	0.0	38.7	30.2
60	450.0	775.0	4.0	0.0	39.0	30.2
61	475.0	775.0	4.0	0.0	39.5	29.9
62	500.0	775.0	4.0	0.0	36.4	29.2
63	525.0	775.0	4.0	0.0	34.2	28.0
64	550.0	775.0	4.0	0.0	31.7	27.7
65	575.0	775.0	4.0	0.0	31.7	27.3
66	600.0	775.0	4.0	0.0	31.7	27.2
67	625.0	775.0	4.0	0.0	31.3	26.9
68	650.0	775.0	4.0	0.0	31.1	26.9
69	675.0	775.0	4.0	0.0	30.6	26.6
70	700.0	775.0	4.0	0.0	30.4	26.3
71	725.0	775.0	4.0	0.0	30.3	25.8
72	750.0	775.0	4.0	0.0	31.3	24.8
73	775.0	775.0	4.0	0.0	31.4	24.8
74	800.0	775.0	4.0	0.0	31.0	24.4
75	825.0	775.0	4.0	0.0	29.7	23.9
76	850.0	775.0	4.0	0.0	29.2	23.8
77	875.0	775.0	4.0	0.0	29.3	24.0
78	900.0	775.0	4.0	0.0	28.6	23.8
79	925.0	775.0	4.0	0.0	28.1	23.8
80	950.0	775.0	4.0	0.0	27.5	23.6
81	975.0	775.0	4.0	0.0	27.0	23.8
82	1000.0	775.0	4.0	0.0	26.3	23.9
83	0.0	750.0	4.0	0.0	33.5	27.0
84	25.0	750.0	4.0	0.0	34.1	27.1
85	50.0	750.0	4.0	0.0	34.5	27.1
86	75.0	750.0	4.0	0.0	35.1	27.2
87	100.0	750.0	4.0	0.0	35.3	27.6
88	125.0	750.0	4.0	0.0	35.4	28.0
89	150.0	750.0	4.0	0.0	36.5	28.3
90	175.0	750.0	4.0	0.0	36.3	29.2
91	200.0	750.0	4.0	0.0	36.6	27.9
92	225.0	750.0	4.0	0.0	36.2	28.0
93	250.0	750.0	4.0	0.0	36.5	28.2
94	275.0	750.0	4.0	0.0	36.4	27.8
95	300.0	750.0	4.0	0.0	37.3	28.1
96	325.0	750.0	4.0	0.0	37.5	29.2
97	350.0	750.0	4.0	0.0	38.0	29.5
98	375.0	750.0	4.0	0.0	37.9	29.6
99	400.0	750.0	4.0	0.0	38.6	29.8
100	425.0	750.0	4.0	0.0	39.2	30.8
101	450.0	750.0	4.0	0.0	39.7	30.7
102	475.0	750.0	4.0	0.0	40.1	30.3
103	500.0	750.0	4.0	0.0	40.4	30.4
104	525.0	750.0	4.0	0.0	40.4	30.7
105	550.0	750.0	4.0	0.0	32.5	28.1
106	575.0	750.0	4.0	0.0	32.7	27.9
107	600.0	750.0	4.0	0.0	32.5	27.7
108	625.0	750.0	4.0	0.0	32.1	27.5
109	650.0	750.0	4.0	0.0	31.7	27.4

					hałas obliczenia.txt	
110	675.0	750.0	4.0	0.0	31.5	27.2
111	700.0	750.0	4.0	0.0	31.3	26.7
112	725.0	750.0	4.0	0.0	30.9	25.5
113	750.0	750.0	4.0	0.0	30.6	25.1
114	775.0	750.0	4.0	0.0	30.6	26.1
115	800.0	750.0	4.0	0.0	30.3	24.4
116	825.0	750.0	4.0	0.0	29.7	24.2
117	850.0	750.0	4.0	0.0	29.6	24.1
118	875.0	750.0	4.0	0.0	29.2	24.3
119	900.0	750.0	4.0	0.0	28.7	24.1
120	925.0	750.0	4.0	0.0	28.0	24.1
121	950.0	750.0	4.0	0.0	27.4	24.2
122	975.0	750.0	4.0	0.0	26.7	24.2
123	1000.0	750.0	4.0	0.0	26.1	23.9
124	0.0	725.0	4.0	0.0	33.6	26.9
125	25.0	725.0	4.0	0.0	34.0	27.1
126	50.0	725.0	4.0	0.0	34.6	27.4
127	75.0	725.0	4.0	0.0	35.0	27.5
128	100.0	725.0	4.0	0.0	35.7	27.7
129	125.0	725.0	4.0	0.0	35.8	28.0
130	150.0	725.0	4.0	0.0	36.1	28.6
131	175.0	725.0	4.0	0.0	37.2	29.0
132	200.0	725.0	4.0	0.0	37.2	29.8
133	225.0	725.0	4.0	0.0	37.3	28.7
134	250.0	725.0	4.0	0.0	37.1	28.8
135	275.0	725.0	4.0	0.0	37.1	28.9
136	300.0	725.0	4.0	0.0	37.9	28.5
137	325.0	725.0	4.0	0.0	38.0	28.9
138	350.0	725.0	4.0	0.0	38.4	29.8
139	375.0	725.0	4.0	0.0	38.6	30.0
140	400.0	725.0	4.0	0.0	39.1	30.3
141	425.0	725.0	4.0	0.0	39.3	30.6
142	450.0	725.0	4.0	0.0	40.3	31.4
143	475.0	725.0	4.0	0.0	40.5	31.3
144	500.0	725.0	4.0	0.0	40.9	31.1
145	525.0	725.0	4.0	0.0	41.2	31.2
146	550.0	725.0	4.0	0.0	41.8	30.1
147	575.0	725.0	4.0	0.0	33.5	28.4
148	600.0	725.0	4.0	0.0	33.3	28.2
149	625.0	725.0	4.0	0.0	32.9	28.0
150	650.0	725.0	4.0	0.0	32.5	27.9
151	675.0	725.0	4.0	0.0	32.2	27.6
152	700.0	725.0	4.0	0.0	31.9	26.6
153	725.0	725.0	4.0	0.0	31.7	26.0
154	750.0	725.0	4.0	0.0	31.4	25.4
155	775.0	725.0	4.0	0.0	31.7	25.0
156	800.0	725.0	4.0	0.0	30.7	24.9
157	825.0	725.0	4.0	0.0	30.4	24.5
158	850.0	725.0	4.0	0.0	29.8	24.7
159	875.0	725.0	4.0	0.0	29.1	24.2
160	900.0	725.0	4.0	0.0	28.4	24.5
161	925.0	725.0	4.0	0.0	27.7	24.2
162	950.0	725.0	4.0	0.0	26.8	24.3

					hałas obliczenia.txt	
163	975.0	725.0	4.0	0.0	26.4	24.1
164	1000.0	725.0	4.0	0.0	25.8	23.4
165	0.0	700.0	4.0	0.0	33.8	26.5
166	25.0	700.0	4.0	0.0	34.1	27.3
167	50.0	700.0	4.0	0.0	34.4	27.3
168	75.0	700.0	4.0	0.0	35.1	27.8
169	100.0	700.0	4.0	0.0	35.6	27.9
170	125.0	700.0	4.0	0.0	36.3	28.3
171	150.0	700.0	4.0	0.0	36.4	28.8
172	175.0	700.0	4.0	0.0	36.7	29.5
173	200.0	700.0	4.0	0.0	37.1	29.7
174	225.0	700.0	4.0	0.0	37.9	30.3
175	250.0	700.0	4.0	0.0	37.1	30.4
176	275.0	700.0	4.0	0.0	37.8	29.6
177	300.0	700.0	4.0	0.0	38.7	29.7
178	325.0	700.0	4.0	0.0	38.7	29.2
179	350.0	700.0	4.0	0.0	38.9	29.5
180	375.0	700.0	4.0	0.0	39.1	30.6
181	400.0	700.0	4.0	0.0	39.5	30.9
182	425.0	700.0	4.0	0.0	39.5	31.2
183	450.0	700.0	4.0	0.0	40.7	32.0
184	475.0	700.0	4.0	0.0	41.2	31.9
185	500.0	700.0	4.0	0.0	41.5	31.6
186	525.0	700.0	4.0	0.0	42.3	31.7
187	550.0	700.0	4.0	0.0	42.6	31.7
188	575.0	700.0	4.0	0.0	39.8	29.8
189	600.0	700.0	4.0	0.0	34.3	28.7
190	625.0	700.0	4.0	0.0	33.8	28.6
191	650.0	700.0	4.0	0.0	33.4	28.5
192	675.0	700.0	4.0	0.0	33.1	27.5
193	700.0	700.0	4.0	0.0	33.0	26.9
194	725.0	700.0	4.0	0.0	32.4	26.2
195	750.0	700.0	4.0	0.0	32.2	26.0
196	775.0	700.0	4.0	0.0	31.5	25.6
197	800.0	700.0	4.0	0.0	31.3	25.3
198	825.0	700.0	4.0	0.0	30.6	25.1
199	850.0	700.0	4.0	0.0	29.8	24.9
200	875.0	700.0	4.0	0.0	29.0	25.1
201	900.0	700.0	4.0	0.0	28.2	24.7
202	925.0	700.0	4.0	0.0	27.4	25.0
203	950.0	700.0	4.0	0.0	27.0	24.6
204	975.0	700.0	4.0	0.0	26.2	23.9
205	1000.0	700.0	4.0	0.0	25.9	24.3
206	0.0	675.0	4.0	0.0	33.9	26.7
207	25.0	675.0	4.0	0.0	34.2	27.0
208	50.0	675.0	4.0	0.0	34.5	27.0
209	75.0	675.0	4.0	0.0	35.0	27.5
210	100.0	675.0	4.0	0.0	35.4	27.9
211	125.0	675.0	4.0	0.0	36.1	28.7
212	150.0	675.0	4.0	0.0	37.0	29.1
213	175.0	675.0	4.0	0.0	37.3	29.6
214	200.0	675.0	4.0	0.0	37.3	30.0
215	225.0	675.0	4.0	0.0	37.7	30.2

## hałas obliczenia.txt

216	250.0	675.0	4.0	0.0	38.8	30.6
217	275.0	675.0	4.0	0.0	38.0	31.5
218	300.0	675.0	4.0	0.0	38.5	30.3
219	325.0	675.0	4.0	0.0	39.7	30.3
220	350.0	675.0	4.0	0.0	39.8	30.0
221	375.0	675.0	4.0	0.0	39.7	31.2
222	400.0	675.0	4.0	0.0	40.1	31.5
223	425.0	675.0	4.0	0.0	39.8	31.7
224	450.0	675.0	4.0	0.0	41.0	32.0
225	475.0	675.0	4.0	0.0	41.5	32.6
226	500.0	675.0	4.0	0.0	42.1	32.5
227	525.0	675.0	4.0	0.0	43.1	32.3
228	550.0	675.0	4.0	0.0	44.0	32.4
229	575.0	675.0	4.0	0.0	44.5	31.6
230	600.0	675.0	4.0	0.0	40.3	30.2
231	625.0	675.0	4.0	0.0	35.0	29.3
232	650.0	675.0	4.0	0.0	34.6	28.4
233	675.0	675.0	4.0	0.0	34.3	28.1
234	700.0	675.0	4.0	0.0	33.8	27.3
235	725.0	675.0	4.0	0.0	33.6	27.2
236	750.0	675.0	4.0	0.0	32.5	26.2
237	775.0	675.0	4.0	0.0	32.4	26.2
238	800.0	675.0	4.0	0.0	31.6	25.7
239	825.0	675.0	4.0	0.0	30.7	25.8
240	850.0	675.0	4.0	0.0	29.7	25.7
241	875.0	675.0	4.0	0.0	28.7	25.3
242	900.0	675.0	4.0	0.0	28.2	25.8
243	925.0	675.0	4.0	0.0	27.5	25.2
244	950.0	675.0	4.0	0.0	26.8	24.7
245	975.0	675.0	4.0	0.0	26.6	25.1
246	1000.0	675.0	4.0	0.0	26.3	24.8
247	0.0	650.0	4.0	0.0	34.3	26.7
248	25.0	650.0	4.0	0.0	34.3	27.1
249	50.0	650.0	4.0	0.0	34.7	27.5
250	75.0	650.0	4.0	0.0	35.0	27.7
251	100.0	650.0	4.0	0.0	35.4	27.3
252	125.0	650.0	4.0	0.0	36.0	28.5
253	150.0	650.0	4.0	0.0	36.7	29.0
254	175.0	650.0	4.0	0.0	37.8	29.7
255	200.0	650.0	4.0	0.0	37.9	30.4
256	225.0	650.0	4.0	0.0	38.8	30.6
257	250.0	650.0	4.0	0.0	39.3	30.9
258	275.0	650.0	4.0	0.0	38.9	31.3
259	300.0	650.0	4.0	0.0	38.8	32.2
260	325.0	650.0	4.0	0.0	40.2	31.2
261	350.0	650.0	4.0	0.0	40.8	31.3
262	375.0	650.0	4.0	0.0	40.7	31.0
263	400.0	650.0	4.0	0.0	41.0	32.2
264	425.0	650.0	4.0	0.0	40.8	32.4
265	450.0	650.0	4.0	0.0	41.2	32.5
266	475.0	650.0	4.0	0.0	41.5	32.5
267	500.0	650.0	4.0	0.0	42.6	33.1
268	525.0	650.0	4.0	0.0	43.7	33.0

## hałas obliczenia.txt

269	550.0	650.0	4.0	0.0	45.3	33.1
270	575.0	650.0	4.0	0.0	46.0	32.5
271	600.0	650.0	4.0	0.0	46.3	32.6
272	625.0	650.0	4.0	0.0	41.4	30.0
273	650.0	650.0	4.0	0.0	36.0	28.7
274	675.0	650.0	4.0	0.0	44.9	30.6
275	700.0	650.0	4.0	0.0	35.1	27.8
276	725.0	650.0	4.0	0.0	35.2	27.2
277	750.0	650.0	4.0	0.0	33.6	26.9
278	775.0	650.0	4.0	0.0	32.8	26.6
279	800.0	650.0	4.0	0.0	31.6	26.3
280	825.0	650.0	4.0	0.0	30.4	26.4
281	850.0	650.0	4.0	0.0	29.7	26.4
282	875.0	650.0	4.0	0.0	29.1	26.7
283	900.0	650.0	4.0	0.0	28.3	26.0
284	925.0	650.0	4.0	0.0	27.6	25.5
285	950.0	650.0	4.0	0.0	27.4	25.9
286	975.0	650.0	4.0	0.0	26.9	25.4
287	1000.0	650.0	4.0	0.0	26.8	25.2
288	0.0	625.0	4.0	0.0	34.3	26.7
289	25.0	625.0	4.0	0.0	34.7	27.1
290	50.0	625.0	4.0	0.0	34.8	27.6
291	75.0	625.0	4.0	0.0	35.0	28.2
292	100.0	625.0	4.0	0.0	35.5	28.5
293	125.0	625.0	4.0	0.0	35.9	27.7
294	150.0	625.0	4.0	0.0	36.5	27.9
295	175.0	625.0	4.0	0.0	37.4	29.8
296	200.0	625.0	4.0	0.0	38.7	30.7
297	225.0	625.0	4.0	0.0	38.6	31.1
298	250.0	625.0	4.0	0.0	39.8	31.3
299	275.0	625.0	4.0	0.0	40.1	31.9
300	300.0	625.0	4.0	0.0	39.7	32.2
301	325.0	625.0	4.0	0.0	40.9	33.1
302	350.0	625.0	4.0	0.0	41.4	32.1
303	375.0	625.0	4.0	0.0	41.7	32.4
304	400.0	625.0	4.0	0.0	41.7	32.1
305	425.0	625.0	4.0	0.0	41.6	32.8
306	450.0	625.0	4.0	0.0	41.7	32.9
307	475.0	625.0	4.0	0.0	41.8	33.3
308	500.0	625.0	4.0	0.0	42.5	34.1
309	525.0	625.0	4.0	0.0	44.1	34.1
310	550.0	625.0	4.0	0.0	45.9	34.0
311	575.0	625.0	4.0	0.0	47.8	34.3
312	600.0	625.0	4.0	0.0	48.7	32.7
313	625.0	625.0	4.0	0.0	48.4	32.1
314	650.0	625.0	4.0	0.0	47.5	31.9
315	675.0	625.0	4.0	0.0	47.0	31.0
316	700.0	625.0	4.0	0.0	36.3	28.3
317	725.0	625.0	4.0	0.0	35.3	27.9
318	750.0	625.0	4.0	0.0	34.1	27.6
319	775.0	625.0	4.0	0.0	32.6	27.0
320	800.0	625.0	4.0	0.0	31.4	27.4
321	825.0	625.0	4.0	0.0	30.9	28.3



## hałas obliczenia.txt

322	850.0	625.0	4.0	0.0	30.0	27.8
323	875.0	625.0	4.0	0.0	29.2	27.0
324	900.0	625.0	4.0	0.0	28.4	26.4
325	925.0	625.0	4.0	0.0	28.2	26.6
326	950.0	625.0	4.0	0.0	27.6	26.1
327	975.0	625.0	4.0	0.0	31.1	32.6
328	1000.0	625.0	4.0	0.0	31.2	30.5
329	0.0	600.0	4.0	0.0	33.0	26.6
330	25.0	600.0	4.0	0.0	34.6	27.2
331	50.0	600.0	4.0	0.0	35.0	27.7
332	75.0	600.0	4.0	0.0	35.2	28.3
333	100.0	600.0	4.0	0.0	35.5	28.5
334	125.0	600.0	4.0	0.0	36.1	28.9
335	150.0	600.0	4.0	0.0	36.5	28.7
336	175.0	600.0	4.0	0.0	37.2	29.2
337	200.0	600.0	4.0	0.0	38.1	30.3
338	225.0	600.0	4.0	0.0	39.3	31.0
339	250.0	600.0	4.0	0.0	39.6	31.8
340	275.0	600.0	4.0	0.0	39.7	32.4
341	300.0	600.0	4.0	0.0	41.3	32.9
342	325.0	600.0	4.0	0.0	40.8	33.2
343	350.0	600.0	4.0	0.0	42.3	34.1
344	375.0	600.0	4.0	0.0	42.5	33.3
345	400.0	600.0	4.0	0.0	42.8	33.1
346	425.0	600.0	4.0	0.0	42.7	32.6
347	450.0	600.0	4.0	0.0	41.9	33.7
348	475.0	600.0	4.0	0.0	42.5	33.9
349	500.0	600.0	4.0	0.0	42.9	34.2
350	525.0	600.0	4.0	0.0	44.1	35.0
351	550.0	600.0	4.0	0.0	46.7	35.1
352	575.0	600.0	4.0	0.0	49.7	34.0
353	600.0	600.0	4.0	0.0	52.4	33.9
354	625.0	600.0	4.0	0.0	52.0	33.7
355	650.0	600.0	4.0	0.0	50.6	32.1
356	675.0	600.0	4.0	0.0	48.9	33.3
357	700.0	600.0	4.0	0.0	41.0	29.0
358	725.0	600.0	4.0	0.0	36.0	28.4
359	750.0	600.0	4.0	0.0	34.1	28.2
360	775.0	600.0	4.0	0.0	32.8	28.6
361	800.0	600.0	4.0	0.0	32.0	29.4
362	825.0	600.0	4.0	0.0	31.1	28.8
363	850.0	600.0	4.0	0.0	30.2	28.0
364	875.0	600.0	4.0	0.0	29.4	27.7
365	900.0	600.0	4.0	0.0	28.9	27.3
366	925.0	600.0	4.0	0.0	28.2	26.7
367	950.0	600.0	4.0	0.0	35.3	31.7
368	975.0	600.0	4.0	0.0	34.2	30.3
369	1000.0	600.0	4.0	0.0	33.3	29.1
370	0.0	575.0	4.0	0.0	34.0	26.5
371	25.0	575.0	4.0	0.0	32.2	27.1
372	50.0	575.0	4.0	0.0	33.2	27.6
373	75.0	575.0	4.0	0.0	34.0	27.9
374	100.0	575.0	4.0	0.0	35.2	28.5

## hałas obliczenia.txt

375	125.0	575.0	4.0	0.0	36.0	29.2
376	150.0	575.0	4.0	0.0	36.6	29.7
377	175.0	575.0	4.0	0.0	37.2	29.4
378	200.0	575.0	4.0	0.0	38.0	30.0
379	225.0	575.0	4.0	0.0	38.6	30.6
380	250.0	575.0	4.0	0.0	39.8	31.9
381	275.0	575.0	4.0	0.0	40.6	33.0
382	300.0	575.0	4.0	0.0	41.8	33.5
383	325.0	575.0	4.0	0.0	41.6	34.2
384	350.0	575.0	4.0	0.0	43.2	34.3
385	375.0	575.0	4.0	0.0	44.0	34.7
386	400.0	575.0	4.0	0.0	43.8	33.5
387	425.0	575.0	4.0	0.0	44.2	33.9
388	450.0	575.0	4.0	0.0	43.3	33.5
389	475.0	575.0	4.0	0.0	43.6	34.5
390	500.0	575.0	4.0	0.0	43.2	35.0
391	525.0	575.0	4.0	0.0	43.6	35.6
392	550.0	575.0	4.0	0.0	44.1	35.2
393	575.0	575.0	4.0	0.0	49.1	34.7
394	600.0	575.0	4.0	0.0	59.9	35.5
395	625.0	575.0	4.0	0.0	57.5	35.5
396	650.0	575.0	4.0	0.0	54.7	33.1
397	675.0	575.0	4.0	0.0	51.1	34.0
398	700.0	575.0	4.0	0.0	38.6	29.9
399	725.0	575.0	4.0	0.0	36.1	29.2
400	750.0	575.0	4.0	0.0	34.4	29.7
401	775.0	575.0	4.0	0.0	33.3	30.6
402	800.0	575.0	4.0	0.0	32.2	29.9
403	825.0	575.0	4.0	0.0	31.2	29.2
404	850.0	575.0	4.0	0.0	30.4	28.7
405	875.0	575.0	4.0	0.0	29.7	28.2
406	900.0	575.0	4.0	0.0	29.0	27.2
407	925.0	575.0	4.0	0.0	28.9	27.4
408	950.0	575.0	4.0	0.0	28.8	27.5
409	975.0	575.0	4.0	0.0	35.5	32.7
410	1000.0	575.0	4.0	0.0	34.1	30.9
411	0.0	550.0	4.0	0.0	33.9	26.6
412	25.0	550.0	4.0	0.0	34.8	26.9
413	50.0	550.0	4.0	0.0	35.6	27.1
414	75.0	550.0	4.0	0.0	36.4	27.5
415	100.0	550.0	4.0	0.0	35.6	28.1
416	125.0	550.0	4.0	0.0	33.7	28.7
417	150.0	550.0	4.0	0.0	32.9	29.5
418	175.0	550.0	4.0	0.0	35.4	30.2
419	200.0	550.0	4.0	0.0	33.0	30.8
420	225.0	550.0	4.0	0.0	33.0	31.4
421	250.0	550.0	4.0	0.0	33.6	32.0
422	275.0	550.0	4.0	0.0	40.3	32.6
423	300.0	550.0	4.0	0.0	42.8	34.2
424	325.0	550.0	4.0	0.0	43.3	34.3
425	350.0	550.0	4.0	0.0	42.9	34.6
426	375.0	550.0	4.0	0.0	45.0	34.8
427	400.0	550.0	4.0	0.0	45.5	35.2

					hałas obliczenia.txt	
428	425.0	550.0	4.0	0.0	45.3	34.4
429	450.0	550.0	4.0	0.0	45.3	34.6
430	475.0	550.0	4.0	0.0	45.3	34.5
431	500.0	550.0	4.0	0.0	44.7	35.8
432	525.0	550.0	4.0	0.0	44.5	35.2
433	550.0	550.0	4.0	0.0	43.1	35.7
434	575.0	550.0	4.0	0.0	43.4	34.9
436	625.0	550.0	4.0	0.0	62.1	32.5
437	650.0	550.0	4.0	0.0	62.6	34.0
438	675.0	550.0	4.0	0.0	53.0	36.1
439	700.0	550.0	4.0	0.0	48.1	35.6
440	725.0	550.0	4.0	0.0	36.2	31.2
441	750.0	550.0	4.0	0.0	34.8	31.9
442	775.0	550.0	4.0	0.0	33.4	31.1
443	800.0	550.0	4.0	0.0	32.2	30.2
444	825.0	550.0	4.0	0.0	31.3	29.7
445	850.0	550.0	4.0	0.0	30.6	29.2
446	875.0	550.0	4.0	0.0	29.8	28.1
447	900.0	550.0	4.0	0.0	30.4	28.9
448	925.0	550.0	4.0	0.0	29.9	28.4
449	950.0	550.0	4.0	0.0	29.3	27.7
450	975.0	550.0	4.0	0.0	28.8	27.1
451	1000.0	550.0	4.0	0.0	28.3	26.5
452	0.0	525.0	4.0	0.0	33.8	26.7
453	25.0	525.0	4.0	0.0	34.5	27.0
454	50.0	525.0	4.0	0.0	35.4	27.4
455	75.0	525.0	4.0	0.0	36.4	28.0
456	100.0	525.0	4.0	0.0	37.4	28.4
457	125.0	525.0	4.0	0.0	35.7	29.0
458	150.0	525.0	4.0	0.0	34.1	29.7
459	175.0	525.0	4.0	0.0	34.0	30.5
460	200.0	525.0	4.0	0.0	32.9	31.4
461	225.0	525.0	4.0	0.0	33.6	32.2
462	250.0	525.0	4.0	0.0	34.4	33.0
463	275.0	525.0	4.0	0.0	35.1	33.8
464	300.0	525.0	4.0	0.0	41.2	33.1
465	325.0	525.0	4.0	0.0	43.0	33.4
466	350.0	525.0	4.0	0.0	43.9	34.7
467	375.0	525.0	4.0	0.0	46.0	35.7
468	400.0	525.0	4.0	0.0	46.7	35.7
469	425.0	525.0	4.0	0.0	46.9	36.1
470	450.0	525.0	4.0	0.0	47.0	36.6
471	475.0	525.0	4.0	0.0	47.5	35.7
472	500.0	525.0	4.0	0.0	47.5	35.2
473	525.0	525.0	4.0	0.0	45.6	35.6
474	550.0	525.0	4.0	0.0	43.8	35.3
476	600.0	525.0	4.0	0.0	53.2	35.2
479	675.0	525.0	4.0	0.0	51.4	38.8
480	700.0	525.0	4.0	0.0	47.2	39.6
481	725.0	525.0	4.0	0.0	40.6	39.0
482	750.0	525.0	4.0	0.0	34.2	32.4
483	775.0	525.0	4.0	0.0	33.0	31.7
484	800.0	525.0	4.0	0.0	32.0	30.8

## hałas obliczenia.txt

485	825.0	525.0	4.0	0.0	31.2	29.8
486	850.0	525.0	4.0	0.0	30.5	29.2
487	875.0	525.0	4.0	0.0	31.2	29.6
488	900.0	525.0	4.0	0.0	30.6	29.0
489	925.0	525.0	4.0	0.0	29.9	28.1
490	950.0	525.0	4.0	0.0	29.4	27.6
491	975.0	525.0	4.0	0.0	28.8	26.9
492	1000.0	525.0	4.0	0.0	28.2	26.3
493	0.0	500.0	4.0	0.0	33.7	26.7
494	25.0	500.0	4.0	0.0	34.5	27.1
495	50.0	500.0	4.0	0.0	35.4	27.6
496	75.0	500.0	4.0	0.0	36.3	28.2
497	100.0	500.0	4.0	0.0	37.5	28.7
498	125.0	500.0	4.0	0.0	38.6	29.4
499	150.0	500.0	4.0	0.0	36.5	30.2
500	175.0	500.0	4.0	0.0	34.7	30.9
501	200.0	500.0	4.0	0.0	33.4	32.1
502	225.0	500.0	4.0	0.0	34.3	33.2
503	250.0	500.0	4.0	0.0	35.3	34.3
504	275.0	500.0	4.0	0.0	34.5	33.2
505	300.0	500.0	4.0	0.0	35.2	33.6
506	325.0	500.0	4.0	0.0	42.0	34.2
507	350.0	500.0	4.0	0.0	46.5	34.0
508	375.0	500.0	4.0	0.0	47.5	35.5
509	400.0	500.0	4.0	0.0	48.4	36.2
510	425.0	500.0	4.0	0.0	48.6	36.4
511	450.0	500.0	4.0	0.0	48.8	37.0
512	475.0	500.0	4.0	0.0	49.2	37.5
513	500.0	500.0	4.0	0.0	49.9	36.1
514	525.0	500.0	4.0	0.0	50.0	36.5
516	575.0	500.0	4.0	0.0	61.2	37.1
519	650.0	500.0	4.0	0.0	49.7	41.9
520	675.0	500.0	4.0	0.0	47.7	41.5
521	700.0	500.0	4.0	0.0	46.6	43.3
522	725.0	500.0	4.0	0.0	44.5	42.0
523	750.0	500.0	4.0	0.0	34.2	33.0
524	775.0	500.0	4.0	0.0	33.1	32.0
525	800.0	500.0	4.0	0.0	32.1	30.9
526	825.0	500.0	4.0	0.0	31.3	30.2
527	850.0	500.0	4.0	0.0	30.6	29.5
528	875.0	500.0	4.0	0.0	30.0	28.8
529	900.0	500.0	4.0	0.0	29.8	28.6
530	925.0	500.0	4.0	0.0	29.2	28.0
531	950.0	500.0	4.0	0.0	28.6	27.1
532	975.0	500.0	4.0	0.0	28.3	26.5
533	1000.0	500.0	4.0	0.0	28.2	26.1
534	0.0	475.0	4.0	0.0	33.6	27.0
535	25.0	475.0	4.0	0.0	34.4	27.4
536	50.0	475.0	4.0	0.0	35.3	28.0
537	75.0	475.0	4.0	0.0	36.3	28.4
538	100.0	475.0	4.0	0.0	37.5	29.0
539	125.0	475.0	4.0	0.0	38.8	29.7
540	150.0	475.0	4.0	0.0	40.1	30.4

## hałas obliczenia.txt

541	175.0	475.0	4.0	0.0	34.9	31.7
542	200.0	475.0	4.0	0.0	34.5	32.9
543	225.0	475.0	4.0	0.0	35.1	34.3
544	250.0	475.0	4.0	0.0	34.3	33.3
545	275.0	475.0	4.0	0.0	35.0	34.2
546	300.0	475.0	4.0	0.0	35.6	35.0
547	325.0	475.0	4.0	0.0	37.7	33.9
549	375.0	475.0	4.0	0.0	48.0	34.7
550	400.0	475.0	4.0	0.0	51.2	35.8
551	425.0	475.0	4.0	0.0	51.6	36.8
552	450.0	475.0	4.0	0.0	51.1	37.4
553	475.0	475.0	4.0	0.0	51.1	37.8
554	500.0	475.0	4.0	0.0	53.1	38.9
555	525.0	475.0	4.0	0.0	55.6	38.3
556	550.0	475.0	4.0	0.0	62.9	40.3
557	575.0	475.0	4.0	0.0	62.4	44.4
561	675.0	475.0	4.0	0.0	45.2	45.8
562	700.0	475.0	4.0	0.0	44.9	44.1
563	725.0	475.0	4.0	0.0	42.0	40.9
564	750.0	475.0	4.0	0.0	33.9	33.0
565	775.0	475.0	4.0	0.0	33.0	32.0
566	800.0	475.0	4.0	0.0	32.2	31.2
567	825.0	475.0	4.0	0.0	31.4	30.4
568	850.0	475.0	4.0	0.0	30.7	29.7
569	875.0	475.0	4.0	0.0	30.0	29.0
570	900.0	475.0	4.0	0.0	29.3	28.1
571	925.0	475.0	4.0	0.0	29.5	28.2
572	950.0	475.0	4.0	0.0	29.1	27.6
573	975.0	475.0	4.0	0.0	28.6	26.9
574	1000.0	475.0	4.0	0.0	28.3	26.8
575	0.0	450.0	4.0	0.0	33.7	26.9
576	25.0	450.0	4.0	0.0	34.5	27.4
577	50.0	450.0	4.0	0.0	35.3	27.9
578	75.0	450.0	4.0	0.0	36.3	28.4
579	100.0	450.0	4.0	0.0	37.5	29.3
580	125.0	450.0	4.0	0.0	38.9	30.0
581	150.0	450.0	4.0	0.0	36.7	31.0
582	175.0	450.0	4.0	0.0	38.3	32.2
583	200.0	450.0	4.0	0.0	36.4	33.6
584	225.0	450.0	4.0	0.0	34.4	32.7
585	250.0	450.0	4.0	0.0	35.1	34.1
586	275.0	450.0	4.0	0.0	36.0	35.4
587	300.0	450.0	4.0	0.0	38.4	34.5
589	350.0	450.0	4.0	0.0	37.9	33.4
591	400.0	450.0	4.0	0.0	55.4	35.7
592	425.0	450.0	4.0	0.0	56.3	36.8
593	450.0	450.0	4.0	0.0	53.3	36.8
594	475.0	450.0	4.0	0.0	52.3	38.3
595	500.0	450.0	4.0	0.0	53.4	39.1
596	525.0	450.0	4.0	0.0	55.8	40.6
597	550.0	450.0	4.0	0.0	59.8	43.4
601	650.0	450.0	4.0	0.0	46.1	49.2
602	675.0	450.0	4.0	0.0	44.6	46.7

					hałas obliczenia.txt	
603	700.0	450.0	4.0	0.0	43.9	44.5
604	725.0	450.0	4.0	0.0	42.0	42.1
605	750.0	450.0	4.0	0.0	33.8	33.3
606	775.0	450.0	4.0	0.0	32.9	32.2
607	800.0	450.0	4.0	0.0	32.1	31.3
608	825.0	450.0	4.0	0.0	31.4	30.4
609	850.0	450.0	4.0	0.0	30.7	29.5
610	875.0	450.0	4.0	0.0	29.9	28.7
611	900.0	450.0	4.0	0.0	30.5	29.0
612	925.0	450.0	4.0	0.0	30.0	28.5
613	950.0	450.0	4.0	0.0	29.9	28.1
614	975.0	450.0	4.0	0.0	29.5	27.6
615	1000.0	450.0	4.0	0.0	29.1	27.1
616	0.0	425.0	4.0	0.0	33.6	27.0
617	25.0	425.0	4.0	0.0	34.4	27.4
618	50.0	425.0	4.0	0.0	35.2	27.9
619	75.0	425.0	4.0	0.0	36.2	28.7
620	100.0	425.0	4.0	0.0	37.4	29.3
621	125.0	425.0	4.0	0.0	38.8	30.2
622	150.0	425.0	4.0	0.0	37.4	31.4
623	175.0	425.0	4.0	0.0	38.9	32.6
624	200.0	425.0	4.0	0.0	40.6	31.8
625	225.0	425.0	4.0	0.0	37.5	33.4
626	250.0	425.0	4.0	0.0	36.3	34.8
627	275.0	425.0	4.0	0.0	39.2	34.2
629	325.0	425.0	4.0	0.0	38.9	34.2
631	375.0	425.0	4.0	0.0	41.1	34.9
633	425.0	425.0	4.0	0.0	67.3	36.9
634	450.0	425.0	4.0	0.0	54.2	37.1
635	475.0	425.0	4.0	0.0	49.0	37.2
636	500.0	425.0	4.0	0.0	53.7	39.8
637	525.0	425.0	4.0	0.0	55.7	40.9
638	550.0	425.0	4.0	0.0	60.0	42.5
640	600.0	425.0	4.0	0.0	57.9	63.7
641	625.0	425.0	4.0	0.0	50.4	55.0
642	650.0	425.0	4.0	0.0	47.4	50.7
643	675.0	425.0	4.0	0.0	44.9	47.0
644	700.0	425.0	4.0	0.0	43.8	44.7
645	725.0	425.0	4.0	0.0	43.0	42.8
646	750.0	425.0	4.0	0.0	33.7	33.1
647	775.0	425.0	4.0	0.0	32.9	32.1
648	800.0	425.0	4.0	0.0	31.9	31.1
649	825.0	425.0	4.0	0.0	31.0	30.1
650	850.0	425.0	4.0	0.0	30.9	29.5
651	875.0	425.0	4.0	0.0	32.3	28.9
652	900.0	425.0	4.0	0.0	32.2	29.7
653	925.0	425.0	4.0	0.0	32.0	31.3
654	950.0	425.0	4.0	0.0	31.3	31.4
655	975.0	425.0	4.0	0.0	30.9	30.7
656	1000.0	425.0	4.0	0.0	30.6	30.6
657	0.0	400.0	4.0	0.0	33.4	27.0
658	25.0	400.0	4.0	0.0	34.2	27.5
659	50.0	400.0	4.0	0.0	35.1	28.1

## hałas obliczenia.txt

660	75.0	400.0	4.0	0.0	36.1	28.7
661	100.0	400.0	4.0	0.0	37.2	29.6
662	125.0	400.0	4.0	0.0	36.5	30.4
663	150.0	400.0	4.0	0.0	37.9	31.5
664	175.0	400.0	4.0	0.0	39.4	31.0
665	200.0	400.0	4.0	0.0	41.9	32.3
666	225.0	400.0	4.0	0.0	52.5	33.2
667	250.0	400.0	4.0	0.0	44.8	32.2
669	300.0	400.0	4.0	0.0	42.7	34.0
671	350.0	400.0	4.0	0.0	38.7	34.6
673	400.0	400.0	4.0	0.0	55.5	32.2
675	450.0	400.0	4.0	0.0	54.2	38.2
676	475.0	400.0	4.0	0.0	52.0	37.8
677	500.0	400.0	4.0	0.0	49.5	38.4
678	525.0	400.0	4.0	0.0	55.0	40.9
679	550.0	400.0	4.0	0.0	58.3	45.3
680	575.0	400.0	4.0	0.0	64.2	55.7
681	600.0	400.0	4.0	0.0	57.0	60.9
682	625.0	400.0	4.0	0.0	50.8	54.3
683	650.0	400.0	4.0	0.0	47.7	50.6
684	675.0	400.0	4.0	0.0	44.7	46.7
685	700.0	400.0	4.0	0.0	42.9	44.4
686	725.0	400.0	4.0	0.0	42.2	42.5
687	750.0	400.0	4.0	0.0	41.3	40.9
688	775.0	400.0	4.0	0.0	32.0	31.9
689	800.0	400.0	4.0	0.0	31.2	31.0
690	825.0	400.0	4.0	0.0	34.2	34.3
691	850.0	400.0	4.0	0.0	33.5	33.7
692	875.0	400.0	4.0	0.0	32.9	33.3
693	900.0	400.0	4.0	0.0	32.2	32.6
694	925.0	400.0	4.0	0.0	31.4	31.2
695	950.0	400.0	4.0	0.0	30.9	30.5
696	975.0	400.0	4.0	0.0	30.5	29.8
697	1000.0	400.0	4.0	0.0	30.1	29.2
698	0.0	375.0	4.0	0.0	33.2	27.0
699	25.0	375.0	4.0	0.0	33.9	27.6
700	50.0	375.0	4.0	0.0	34.8	28.2
701	75.0	375.0	4.0	0.0	35.7	28.8
702	100.0	375.0	4.0	0.0	35.4	29.6
703	125.0	375.0	4.0	0.0	36.7	30.6
704	150.0	375.0	4.0	0.0	37.9	30.4
705	175.0	375.0	4.0	0.0	39.8	31.4
706	200.0	375.0	4.0	0.0	42.5	32.5
707	225.0	375.0	4.0	0.0	52.2	33.2
708	250.0	375.0	4.0	0.0	69.2	31.6
709	275.0	375.0	4.0	0.0	51.6	32.2
711	325.0	375.0	4.0	0.0	39.8	34.0
715	425.0	375.0	4.0	0.0	45.1	38.9
716	450.0	375.0	4.0	0.0	50.5	39.3
717	475.0	375.0	4.0	0.0	50.4	39.1
718	500.0	375.0	4.0	0.0	49.9	41.6
719	525.0	375.0	4.0	0.0	52.2	47.8
720	550.0	375.0	4.0	0.0	55.1	49.5

## hałas obliczenia.txt

721	575.0	375.0	4.0	0.0	55.9	52.7
722	600.0	375.0	4.0	0.0	53.9	53.3
723	625.0	375.0	4.0	0.0	50.7	51.0
724	650.0	375.0	4.0	0.0	47.3	49.0
725	675.0	375.0	4.0	0.0	42.5	42.4
726	700.0	375.0	4.0	0.0	41.1	41.1
727	725.0	375.0	4.0	0.0	40.8	41.4
728	750.0	375.0	4.0	0.0	40.2	40.7
729	775.0	375.0	4.0	0.0	32.0	31.8
730	800.0	375.0	4.0	0.0	36.8	36.5
731	825.0	375.0	4.0	0.0	35.8	34.9
732	850.0	375.0	4.0	0.0	35.0	34.0
733	875.0	375.0	4.0	0.0	34.5	33.3
734	900.0	375.0	4.0	0.0	33.8	32.6
735	925.0	375.0	4.0	0.0	33.1	31.9
736	950.0	375.0	4.0	0.0	32.5	31.3
737	975.0	375.0	4.0	0.0	32.0	30.7
738	1000.0	375.0	4.0	0.0	31.6	30.1
739	0.0	350.0	4.0	0.0	32.9	26.8
740	25.0	350.0	4.0	0.0	33.6	27.4
741	50.0	350.0	4.0	0.0	34.4	28.0
742	75.0	350.0	4.0	0.0	35.2	28.8
743	100.0	350.0	4.0	0.0	35.5	29.4
744	125.0	350.0	4.0	0.0	36.5	29.6
745	150.0	350.0	4.0	0.0	37.9	30.4
746	175.0	350.0	4.0	0.0	39.6	31.1
747	200.0	350.0	4.0	0.0	42.1	32.6
748	225.0	350.0	4.0	0.0	45.5	33.6
749	250.0	350.0	4.0	0.0	56.2	34.4
750	275.0	350.0	4.0	0.0	70.5	32.1
755	400.0	350.0	4.0	0.0	43.7	38.6
756	425.0	350.0	4.0	0.0	44.3	39.5
757	450.0	350.0	4.0	0.0	47.6	39.3
759	500.0	350.0	4.0	0.0	50.6	45.6
760	525.0	350.0	4.0	0.0	48.7	42.5
761	550.0	350.0	4.0	0.0	51.0	47.4
762	575.0	350.0	4.0	0.0	52.1	49.8
763	600.0	350.0	4.0	0.0	51.9	50.2
764	625.0	350.0	4.0	0.0	47.6	49.0
765	650.0	350.0	4.0	0.0	45.9	46.4
766	675.0	350.0	4.0	0.0	42.2	42.9
767	700.0	350.0	4.0	0.0	40.8	39.9
768	725.0	350.0	4.0	0.0	40.0	38.5
769	750.0	350.0	4.0	0.0	39.4	37.6
770	775.0	350.0	4.0	0.0	38.8	37.3
771	800.0	350.0	4.0	0.0	37.9	37.2
772	825.0	350.0	4.0	0.0	37.0	36.4
773	850.0	350.0	4.0	0.0	36.2	35.2
774	875.0	350.0	4.0	0.0	35.3	34.1
775	900.0	350.0	4.0	0.0	34.6	33.1
776	925.0	350.0	4.0	0.0	34.0	32.3
777	950.0	350.0	4.0	0.0	33.3	31.6
778	975.0	350.0	4.0	0.0	32.9	31.0



					hałas obliczenia.txt	
779	1000.0	350.0	4.0	0.0	32.3	30.4
780	0.0	325.0	4.0	0.0	32.5	26.8
781	25.0	325.0	4.0	0.0	33.1	27.5
782	50.0	325.0	4.0	0.0	33.8	28.1
783	75.0	325.0	4.0	0.0	34.4	28.7
784	100.0	325.0	4.0	0.0	35.2	28.9
785	125.0	325.0	4.0	0.0	36.3	29.3
786	150.0	325.0	4.0	0.0	37.6	30.1
787	175.0	325.0	4.0	0.0	39.2	31.1
788	200.0	325.0	4.0	0.0	41.2	32.1
789	225.0	325.0	4.0	0.0	43.6	33.5
790	250.0	325.0	4.0	0.0	46.6	34.5
791	275.0	325.0	4.0	0.0	57.2	34.8
792	300.0	325.0	4.0	0.0	73.4	28.5
795	375.0	325.0	4.0	0.0	43.3	38.5
796	400.0	325.0	4.0	0.0	43.8	39.7
797	425.0	325.0	4.0	0.0	43.9	39.3
800	500.0	325.0	4.0	0.0	47.8	39.3
801	525.0	325.0	4.0	0.0	47.1	42.3
802	550.0	325.0	4.0	0.0	47.0	42.4
803	575.0	325.0	4.0	0.0	49.6	46.9
804	600.0	325.0	4.0	0.0	48.2	42.5
805	625.0	325.0	4.0	0.0	42.3	41.8
806	650.0	325.0	4.0	0.0	41.6	33.3
807	675.0	325.0	4.0	0.0	42.5	44.5
808	700.0	325.0	4.0	0.0	40.7	40.0
809	725.0	325.0	4.0	0.0	39.4	37.9
810	750.0	325.0	4.0	0.0	38.6	36.9
811	775.0	325.0	4.0	0.0	38.0	36.1
812	800.0	325.0	4.0	0.0	37.1	35.4
813	825.0	325.0	4.0	0.0	36.3	34.8
814	850.0	325.0	4.0	0.0	35.4	34.6
815	875.0	325.0	4.0	0.0	35.0	34.6
816	900.0	325.0	4.0	0.0	34.3	33.7
817	925.0	325.0	4.0	0.0	33.6	33.3
818	950.0	325.0	4.0	0.0	32.8	32.4
819	975.0	325.0	4.0	0.0	32.2	31.6
820	1000.0	325.0	4.0	0.0	32.2	30.8
821	0.0	300.0	4.0	0.0	32.0	26.8
822	25.0	300.0	4.0	0.0	32.7	27.5
823	50.0	300.0	4.0	0.0	33.4	28.0
824	75.0	300.0	4.0	0.0	34.1	28.2
825	100.0	300.0	4.0	0.0	35.0	28.7
826	125.0	300.0	4.0	0.0	36.0	29.3
827	150.0	300.0	4.0	0.0	37.2	29.9
828	175.0	300.0	4.0	0.0	38.6	30.8
829	200.0	300.0	4.0	0.0	40.2	31.7
830	225.0	300.0	4.0	0.0	42.1	32.8
831	250.0	300.0	4.0	0.0	44.3	34.0
832	275.0	300.0	4.0	0.0	47.3	34.8
833	300.0	300.0	4.0	0.0	60.2	35.4
834	325.0	300.0	4.0	0.0	58.3	33.9
835	350.0	300.0	4.0	0.0	50.6	38.2

						hałas obliczenia.txt	
836	375.0	300.0	4.0	0.0	45.3	39.0	
837	400.0	300.0	4.0	0.0	43.0	38.8	
841	500.0	300.0	4.0	0.0	44.1	39.0	
843	550.0	300.0	4.0	0.0	46.7	42.4	
844	575.0	300.0	4.0	0.0	47.8	45.1	
845	600.0	300.0	4.0	0.0	43.9	39.0	
846	625.0	300.0	4.0	0.0	43.0	35.9	
847	650.0	300.0	4.0	0.0	37.1	33.5	
848	675.0	300.0	4.0	0.0	39.1	33.4	
849	700.0	300.0	4.0	0.0	39.1	38.1	
850	725.0	300.0	4.0	0.0	39.3	37.4	
851	750.0	300.0	4.0	0.0	38.1	36.5	
852	775.0	300.0	4.0	0.0	37.7	36.3	
853	800.0	300.0	4.0	0.0	36.9	34.8	
854	825.0	300.0	4.0	0.0	35.6	33.6	
855	850.0	300.0	4.0	0.0	33.8	32.4	
856	875.0	300.0	4.0	0.0	34.5	32.9	
857	900.0	300.0	4.0	0.0	33.8	32.7	
858	925.0	300.0	4.0	0.0	33.2	32.5	
859	950.0	300.0	4.0	0.0	32.9	32.6	
860	975.0	300.0	4.0	0.0	32.2	31.9	
861	1000.0	300.0	4.0	0.0	31.7	31.6	
862	0.0	275.0	4.0	0.0	31.9	26.8	
863	25.0	275.0	4.0	0.0	32.5	27.1	
864	50.0	275.0	4.0	0.0	33.2	27.5	
865	75.0	275.0	4.0	0.0	33.9	27.9	
866	100.0	275.0	4.0	0.0	34.7	28.4	
867	125.0	275.0	4.0	0.0	35.7	29.1	
868	150.0	275.0	4.0	0.0	36.7	29.7	
869	175.0	275.0	4.0	0.0	37.9	30.3	
870	200.0	275.0	4.0	0.0	39.2	31.4	
871	225.0	275.0	4.0	0.0	40.7	32.4	
872	250.0	275.0	4.0	0.0	42.4	33.3	
873	275.0	275.0	4.0	0.0	44.3	34.1	
874	300.0	275.0	4.0	0.0	46.4	34.2	
875	325.0	275.0	4.0	0.0	52.3	36.4	
876	350.0	275.0	4.0	0.0	54.7	37.2	
877	375.0	275.0	4.0	0.0	59.7	37.1	
879	425.0	275.0	4.0	0.0	48.2	34.3	
884	550.0	275.0	4.0	0.0	40.4	34.8	
885	575.0	275.0	4.0	0.0	45.5	42.2	
886	600.0	275.0	4.0	0.0	38.8	35.6	
887	625.0	275.0	4.0	0.0	40.6	35.7	
888	650.0	275.0	4.0	0.0	39.0	33.9	
889	675.0	275.0	4.0	0.0	38.5	35.3	
890	700.0	275.0	4.0	0.0	37.0	32.7	
891	725.0	275.0	4.0	0.0	33.1	31.0	
892	750.0	275.0	4.0	0.0	38.2	35.9	
893	775.0	275.0	4.0	0.0	37.6	36.8	
894	800.0	275.0	4.0	0.0	37.1	36.4	
895	825.0	275.0	4.0	0.0	35.9	33.9	
896	850.0	275.0	4.0	0.0	28.7	27.6	
897	875.0	275.0	4.0	0.0	28.2	26.8	

					hałas obliczenia.txt	
898	900.0	275.0	4.0	0.0	27.7	26.3
899	925.0	275.0	4.0	0.0	31.1	29.5
900	950.0	275.0	4.0	0.0	31.5	30.2
901	975.0	275.0	4.0	0.0	31.7	30.9
902	1000.0	275.0	4.0	0.0	31.7	30.6
903	0.0	250.0	4.0	0.0	31.6	26.2
904	25.0	250.0	4.0	0.0	32.3	26.9
905	50.0	250.0	4.0	0.0	32.9	27.1
906	75.0	250.0	4.0	0.0	33.6	27.6
907	100.0	250.0	4.0	0.0	34.4	28.1
908	125.0	250.0	4.0	0.0	35.2	28.6
909	150.0	250.0	4.0	0.0	36.2	29.4
910	175.0	250.0	4.0	0.0	37.2	30.1
911	200.0	250.0	4.0	0.0	38.3	30.7
912	225.0	250.0	4.0	0.0	39.5	31.8
913	250.0	250.0	4.0	0.0	40.7	32.1
914	275.0	250.0	4.0	0.0	42.0	33.0
915	300.0	250.0	4.0	0.0	43.1	33.6
916	325.0	250.0	4.0	0.0	44.9	33.9
917	350.0	250.0	4.0	0.0	54.9	36.0
918	375.0	250.0	4.0	0.0	60.0	36.5
919	400.0	250.0	4.0	0.0	65.8	33.5
921	450.0	250.0	4.0	0.0	58.7	37.4
924	525.0	250.0	4.0	0.0	45.1	34.2
925	550.0	250.0	4.0	0.0	44.0	39.4
926	575.0	250.0	4.0	0.0	44.8	41.2
927	600.0	250.0	4.0	0.0	40.4	35.0
928	625.0	250.0	4.0	0.0	41.9	35.2
929	650.0	250.0	4.0	0.0	38.6	34.5
930	675.0	250.0	4.0	0.0	33.5	31.4
931	700.0	250.0	4.0	0.0	32.2	30.0
932	725.0	250.0	4.0	0.0	35.3	32.6
933	750.0	250.0	4.0	0.0	36.0	34.5
934	775.0	250.0	4.0	0.0	38.2	34.8
935	800.0	250.0	4.0	0.0	37.6	33.8
936	825.0	250.0	4.0	0.0	34.5	30.8
937	850.0	250.0	4.0	0.0	30.8	28.7
938	875.0	250.0	4.0	0.0	32.3	31.4
939	900.0	250.0	4.0	0.0	31.1	30.5
940	925.0	250.0	4.0	0.0	30.8	29.0
941	950.0	250.0	4.0	0.0	30.2	27.7
942	975.0	250.0	4.0	0.0	30.1	27.9
943	1000.0	250.0	4.0	0.0	30.0	28.4
944	0.0	225.0	4.0	0.0	31.5	26.2
945	25.0	225.0	4.0	0.0	32.0	26.5
946	50.0	225.0	4.0	0.0	32.6	26.9
947	75.0	225.0	4.0	0.0	33.3	27.4
948	100.0	225.0	4.0	0.0	34.0	27.9
949	125.0	225.0	4.0	0.0	34.8	28.3
950	150.0	225.0	4.0	0.0	35.6	28.9
951	175.0	225.0	4.0	0.0	36.5	29.7
952	200.0	225.0	4.0	0.0	37.4	30.5
953	225.0	225.0	4.0	0.0	38.3	30.8

					hałas obliczenia.txt	
954	250.0	225.0	4.0	0.0	39.3	31.6
955	275.0	225.0	4.0	0.0	40.2	32.2
956	300.0	225.0	4.0	0.0	46.0	32.9
957	325.0	225.0	4.0	0.0	50.0	34.4
958	350.0	225.0	4.0	0.0	52.2	35.8
959	375.0	225.0	4.0	0.0	55.1	35.5
960	400.0	225.0	4.0	0.0	57.6	35.5
961	425.0	225.0	4.0	0.0	58.6	36.3
962	450.0	225.0	4.0	0.0	54.8	35.6
963	475.0	225.0	4.0	0.0	60.3	35.4
964	500.0	225.0	4.0	0.0	57.6	32.9
965	525.0	225.0	4.0	0.0	46.8	36.1
966	550.0	225.0	4.0	0.0	44.3	40.0
967	575.0	225.0	4.0	0.0	43.7	40.2
968	600.0	225.0	4.0	0.0	39.1	34.0
969	625.0	225.0	4.0	0.0	41.4	34.3
970	650.0	225.0	4.0	0.0	34.4	31.0
971	675.0	225.0	4.0	0.0	31.4	30.3
972	700.0	225.0	4.0	0.0	30.8	29.6
973	725.0	225.0	4.0	0.0	35.8	30.2
974	750.0	225.0	4.0	0.0	34.9	34.6
975	775.0	225.0	4.0	0.0	36.2	33.4
976	800.0	225.0	4.0	0.0	36.2	32.9
977	825.0	225.0	4.0	0.0	37.1	32.8
978	850.0	225.0	4.0	0.0	28.4	27.0
979	875.0	225.0	4.0	0.0	29.6	26.9
980	900.0	225.0	4.0	0.0	30.5	26.6
981	925.0	225.0	4.0	0.0	30.7	29.5
982	950.0	225.0	4.0	0.0	28.9	27.8
983	975.0	225.0	4.0	0.0	28.8	27.3
984	1000.0	225.0	4.0	0.0	28.7	25.9
985	0.0	200.0	4.0	0.0	31.3	25.9
986	25.0	200.0	4.0	0.0	31.8	26.2
987	50.0	200.0	4.0	0.0	32.4	26.7
988	75.0	200.0	4.0	0.0	32.9	27.0
989	100.0	200.0	4.0	0.0	33.6	27.5
990	125.0	200.0	4.0	0.0	34.3	28.1
991	150.0	200.0	4.0	0.0	35.1	28.7
992	175.0	200.0	4.0	0.0	35.8	29.4
993	200.0	200.0	4.0	0.0	36.6	29.8
994	225.0	200.0	4.0	0.0	37.4	30.5
995	250.0	200.0	4.0	0.0	38.1	31.1
996	275.0	200.0	4.0	0.0	45.4	32.7
997	300.0	200.0	4.0	0.0	46.9	33.2
998	325.0	200.0	4.0	0.0	48.3	34.4
999	350.0	200.0	4.0	0.0	49.8	34.6
1000	375.0	200.0	4.0	0.0	51.4	34.9
1001	400.0	200.0	4.0	0.0	53.2	35.2
1002	425.0	200.0	4.0	0.0	53.7	35.2
1003	450.0	200.0	4.0	0.0	53.0	35.3
1004	475.0	200.0	4.0	0.0	53.0	36.0
1005	500.0	200.0	4.0	0.0	52.5	36.3
1006	525.0	200.0	4.0	0.0	46.2	37.0

## hałas obliczenia.txt

1007	550.0	200.0	4.0	0.0	43.8	39.2
1008	575.0	200.0	4.0	0.0	43.0	38.6
1009	600.0	200.0	4.0	0.0	40.4	33.2
1010	625.0	200.0	4.0	0.0	39.0	33.2
1011	650.0	200.0	4.0	0.0	39.2	32.3
1012	675.0	200.0	4.0	0.0	31.8	29.9
1013	700.0	200.0	4.0	0.0	30.5	29.5
1014	725.0	200.0	4.0	0.0	29.7	28.7
1015	750.0	200.0	4.0	0.0	35.5	29.8
1016	775.0	200.0	4.0	0.0	34.4	34.7
1017	800.0	200.0	4.0	0.0	35.0	32.5
1018	825.0	200.0	4.0	0.0	35.5	32.0
1019	850.0	200.0	4.0	0.0	34.9	32.0
1020	875.0	200.0	4.0	0.0	33.8	29.1
1021	900.0	200.0	4.0	0.0	31.2	28.1
1022	925.0	200.0	4.0	0.0	31.0	27.6
1023	950.0	200.0	4.0	0.0	30.4	29.3
1024	975.0	200.0	4.0	0.0	30.7	27.7
1025	1000.0	200.0	4.0	0.0	28.9	26.7
1026	0.0	175.0	4.0	0.0	31.1	25.7
1027	25.0	175.0	4.0	0.0	31.6	26.2
1028	50.0	175.0	4.0	0.0	32.0	26.4
1029	75.0	175.0	4.0	0.0	32.6	26.9
1030	100.0	175.0	4.0	0.0	33.2	27.3
1031	125.0	175.0	4.0	0.0	33.8	27.9
1032	150.0	175.0	4.0	0.0	34.5	28.5
1033	175.0	175.0	4.0	0.0	35.2	29.0
1034	200.0	175.0	4.0	0.0	35.9	29.7
1035	225.0	175.0	4.0	0.0	36.6	30.3
1036	250.0	175.0	4.0	0.0	37.7	30.7
1037	275.0	175.0	4.0	0.0	42.9	31.7
1038	300.0	175.0	4.0	0.0	45.7	33.1
1039	325.0	175.0	4.0	0.0	46.8	33.3
1040	350.0	175.0	4.0	0.0	47.8	33.6
1041	375.0	175.0	4.0	0.0	48.9	34.4
1042	400.0	175.0	4.0	0.0	50.4	34.3
1043	425.0	175.0	4.0	0.0	51.3	34.3
1044	450.0	175.0	4.0	0.0	50.8	35.7
1045	475.0	175.0	4.0	0.0	50.1	35.8
1046	500.0	175.0	4.0	0.0	48.6	36.0
1047	525.0	175.0	4.0	0.0	47.3	37.0
1048	550.0	175.0	4.0	0.0	43.5	38.3
1049	575.0	175.0	4.0	0.0	42.4	37.5
1050	600.0	175.0	4.0	0.0	40.0	32.3
1051	625.0	175.0	4.0	0.0	37.4	32.7
1052	650.0	175.0	4.0	0.0	38.9	31.9
1053	675.0	175.0	4.0	0.0	36.4	30.6
1054	700.0	175.0	4.0	0.0	30.4	29.2
1055	725.0	175.0	4.0	0.0	32.9	30.4
1056	750.0	175.0	4.0	0.0	32.8	29.1
1057	775.0	175.0	4.0	0.0	34.6	29.8
1058	800.0	175.0	4.0	0.0	33.4	32.6
1059	825.0	175.0	4.0	0.0	34.3	31.7

## hałas obliczenia.txt

1060	850.0	175.0	4.0	0.0	34.4	31.2
1061	875.0	175.0	4.0	0.0	34.2	31.2
1062	900.0	175.0	4.0	0.0	32.7	28.8
1063	925.0	175.0	4.0	0.0	32.1	27.6
1064	950.0	175.0	4.0	0.0	30.9	27.1
1065	975.0	175.0	4.0	0.0	30.1	26.6
1066	1000.0	175.0	4.0	0.0	29.3	27.9
1067	0.0	150.0	4.0	0.0	30.9	25.7
1068	25.0	150.0	4.0	0.0	31.3	25.9
1069	50.0	150.0	4.0	0.0	31.8	26.3
1070	75.0	150.0	4.0	0.0	32.3	26.7
1071	100.0	150.0	4.0	0.0	32.8	27.2
1072	125.0	150.0	4.0	0.0	33.5	27.8
1073	150.0	150.0	4.0	0.0	34.0	28.3
1074	175.0	150.0	4.0	0.0	34.7	29.0
1075	200.0	150.0	4.0	0.0	35.3	29.5
1076	225.0	150.0	4.0	0.0	36.0	29.8
1077	250.0	150.0	4.0	0.0	37.9	30.3
1078	275.0	150.0	4.0	0.0	39.9	30.7
1079	300.0	150.0	4.0	0.0	44.5	32.0
1080	325.0	150.0	4.0	0.0	45.5	32.6
1081	350.0	150.0	4.0	0.0	46.3	33.4
1082	375.0	150.0	4.0	0.0	47.3	33.2
1083	400.0	150.0	4.0	0.0	48.3	33.6
1084	425.0	150.0	4.0	0.0	48.9	34.6
1085	450.0	150.0	4.0	0.0	49.3	34.7
1086	475.0	150.0	4.0	0.0	48.4	35.5
1087	500.0	150.0	4.0	0.0	47.1	35.4
1088	525.0	150.0	4.0	0.0	45.6	36.4
1089	550.0	150.0	4.0	0.0	44.9	37.4
1090	575.0	150.0	4.0	0.0	42.2	36.5
1091	600.0	150.0	4.0	0.0	40.0	31.5
1092	625.0	150.0	4.0	0.0	37.5	32.3
1093	650.0	150.0	4.0	0.0	38.6	31.6
1094	675.0	150.0	4.0	0.0	37.2	30.3
1095	700.0	150.0	4.0	0.0	35.0	29.1
1096	725.0	150.0	4.0	0.0	33.7	29.3
1097	750.0	150.0	4.0	0.0	32.9	29.1
1098	775.0	150.0	4.0	0.0	33.8	28.6
1099	800.0	150.0	4.0	0.0	33.1	29.6
1100	825.0	150.0	4.0	0.0	33.0	31.6
1101	850.0	150.0	4.0	0.0	33.7	30.9
1102	875.0	150.0	4.0	0.0	33.9	31.6
1103	900.0	150.0	4.0	0.0	33.8	30.5
1104	925.0	150.0	4.0	0.0	32.6	28.7
1105	950.0	150.0	4.0	0.0	31.6	27.2
1106	975.0	150.0	4.0	0.0	31.1	26.5
1107	1000.0	150.0	4.0	0.0	29.7	26.2
1108	0.0	125.0	4.0	0.0	30.7	25.5
1109	25.0	125.0	4.0	0.0	31.1	25.8
1110	50.0	125.0	4.0	0.0	31.5	26.2
1111	75.0	125.0	4.0	0.0	32.0	26.6
1112	100.0	125.0	4.0	0.0	32.5	27.1

					hałas obliczenia.txt	
1113	125.0	125.0	4.0	0.0	33.0	27.7
1114	150.0	125.0	4.0	0.0	33.6	28.2
1115	175.0	125.0	4.0	0.0	34.1	28.7
1116	200.0	125.0	4.0	0.0	34.8	29.0
1117	225.0	125.0	4.0	0.0	35.4	29.4
1118	250.0	125.0	4.0	0.0	37.5	29.8
1119	275.0	125.0	4.0	0.0	42.6	31.2
1120	300.0	125.0	4.0	0.0	43.7	31.5
1121	325.0	125.0	4.0	0.0	44.4	32.5
1122	350.0	125.0	4.0	0.0	45.1	32.7
1123	375.0	125.0	4.0	0.0	45.8	32.9
1124	400.0	125.0	4.0	0.0	46.5	33.6
1125	425.0	125.0	4.0	0.0	47.2	33.9
1126	450.0	125.0	4.0	0.0	47.5	34.7
1127	475.0	125.0	4.0	0.0	47.3	34.5
1128	500.0	125.0	4.0	0.0	46.3	34.7
1129	525.0	125.0	4.0	0.0	44.8	36.0
1130	550.0	125.0	4.0	0.0	43.9	36.5
1131	575.0	125.0	4.0	0.0	43.3	35.6
1132	600.0	125.0	4.0	0.0	40.4	30.7
1133	625.0	125.0	4.0	0.0	36.8	32.0
1134	650.0	125.0	4.0	0.0	38.1	31.4
1135	675.0	125.0	4.0	0.0	36.9	30.3
1136	700.0	125.0	4.0	0.0	35.8	28.9
1137	725.0	125.0	4.0	0.0	34.2	29.1
1138	750.0	125.0	4.0	0.0	33.0	29.0
1139	775.0	125.0	4.0	0.0	32.3	27.9
1140	800.0	125.0	4.0	0.0	34.3	28.0
1141	825.0	125.0	4.0	0.0	32.8	30.1
1142	850.0	125.0	4.0	0.0	32.4	30.8
1143	875.0	125.0	4.0	0.0	33.3	30.2
1144	900.0	125.0	4.0	0.0	33.0	29.7
1145	925.0	125.0	4.0	0.0	33.2	29.8
1146	950.0	125.0	4.0	0.0	32.4	28.8
1147	975.0	125.0	4.0	0.0	30.8	27.0
1148	1000.0	125.0	4.0	0.0	31.1	26.1
1149	0.0	100.0	4.0	0.0	30.4	25.3
1150	25.0	100.0	4.0	0.0	30.9	25.7
1151	50.0	100.0	4.0	0.0	31.3	26.2
1152	75.0	100.0	4.0	0.0	31.8	26.6
1153	100.0	100.0	4.0	0.0	32.2	27.0
1154	125.0	100.0	4.0	0.0	32.6	27.5
1155	150.0	100.0	4.0	0.0	33.3	28.0
1156	175.0	100.0	4.0	0.0	33.6	28.0
1157	200.0	100.0	4.0	0.0	34.4	28.6
1158	225.0	100.0	4.0	0.0	35.5	28.9
1159	250.0	100.0	4.0	0.0	39.2	29.3
1160	275.0	100.0	4.0	0.0	42.2	30.7
1161	300.0	100.0	4.0	0.0	42.8	31.5
1162	325.0	100.0	4.0	0.0	43.4	31.8
1163	350.0	100.0	4.0	0.0	44.1	32.1
1164	375.0	100.0	4.0	0.0	44.6	32.8
1165	400.0	100.0	4.0	0.0	45.1	32.9

## hałas obliczenia.txt

1166	425.0	100.0	4.0	0.0	45.8	33.3
1167	450.0	100.0	4.0	0.0	46.1	33.7
1168	475.0	100.0	4.0	0.0	46.2	33.8
1169	500.0	100.0	4.0	0.0	45.6	34.1
1170	525.0	100.0	4.0	0.0	44.9	35.4
1171	550.0	100.0	4.0	0.0	43.3	35.7
1172	575.0	100.0	4.0	0.0	42.6	34.4
1173	600.0	100.0	4.0	0.0	41.5	30.2
1174	625.0	100.0	4.0	0.0	37.7	31.6
1175	650.0	100.0	4.0	0.0	37.9	30.8
1176	675.0	100.0	4.0	0.0	37.2	30.1
1177	700.0	100.0	4.0	0.0	35.1	29.4
1178	725.0	100.0	4.0	0.0	34.8	28.4
1179	750.0	100.0	4.0	0.0	33.5	28.3
1180	775.0	100.0	4.0	0.0	32.2	26.9
1181	800.0	100.0	4.0	0.0	32.0	27.2
1182	825.0	100.0	4.0	0.0	33.2	27.7
1183	850.0	100.0	4.0	0.0	32.2	29.7
1184	875.0	100.0	4.0	0.0	32.7	30.1
1185	900.0	100.0	4.0	0.0	32.9	29.6
1186	925.0	100.0	4.0	0.0	32.4	29.0
1187	950.0	100.0	4.0	0.0	32.5	29.3
1188	975.0	100.0	4.0	0.0	32.2	28.7
1189	1000.0	100.0	4.0	0.0	30.5	26.5
1190	0.0	75.0	4.0	0.0	30.2	25.2
1191	25.0	75.0	4.0	0.0	30.7	25.7
1192	50.0	75.0	4.0	0.0	31.1	26.1
1193	75.0	75.0	4.0	0.0	31.5	26.5
1194	100.0	75.0	4.0	0.0	32.0	26.9
1195	125.0	75.0	4.0	0.0	32.7	27.2
1196	150.0	75.0	4.0	0.0	32.7	27.3
1197	175.0	75.0	4.0	0.0	33.4	28.0
1198	200.0	75.0	4.0	0.0	33.9	28.2
1199	225.0	75.0	4.0	0.0	37.4	28.5
1200	250.0	75.0	4.0	0.0	36.4	28.4
1201	275.0	75.0	4.0	0.0	41.4	30.3
1202	300.0	75.0	4.0	0.0	42.0	31.0
1203	325.0	75.0	4.0	0.0	42.6	31.2
1204	350.0	75.0	4.0	0.0	43.2	31.9
1205	375.0	75.0	4.0	0.0	43.6	32.1
1206	400.0	75.0	4.0	0.0	44.0	32.4
1207	425.0	75.0	4.0	0.0	44.5	33.1
1208	450.0	75.0	4.0	0.0	44.8	33.1
1209	475.0	75.0	4.0	0.0	45.0	33.2
1210	500.0	75.0	4.0	0.0	45.0	33.6
1211	525.0	75.0	4.0	0.0	44.5	34.7
1212	550.0	75.0	4.0	0.0	43.8	35.0
1213	575.0	75.0	4.0	0.0	42.2	33.8
1214	600.0	75.0	4.0	0.0	41.3	29.9
1215	625.0	75.0	4.0	0.0	39.0	31.7
1216	650.0	75.0	4.0	0.0	36.8	30.5
1217	675.0	75.0	4.0	0.0	37.4	30.2
1218	700.0	75.0	4.0	0.0	35.5	29.0



hałas obliczenia.txt						
1219	725.0	75.0	4.0	0.0	33.8	27.7
1220	750.0	75.0	4.0	0.0	33.1	27.7
1221	775.0	75.0	4.0	0.0	33.5	27.7
1222	800.0	75.0	4.0	0.0	31.7	26.3
1223	825.0	75.0	4.0	0.0	32.2	26.4
1224	850.0	75.0	4.0	0.0	32.5	28.4
1225	875.0	75.0	4.0	0.0	31.9	30.3
1226	900.0	75.0	4.0	0.0	32.4	30.3
1227	925.0	75.0	4.0	0.0	32.1	29.0
1228	950.0	75.0	4.0	0.0	31.9	28.4
1229	975.0	75.0	4.0	0.0	32.0	28.7
1230	1000.0	75.0	4.0	0.0	31.6	28.1
1231	0.0	50.0	4.0	0.0	30.1	25.2
1232	25.0	50.0	4.0	0.0	30.4	25.5
1233	50.0	50.0	4.0	0.0	30.9	26.1
1234	75.0	50.0	4.0	0.0	31.3	26.3
1235	100.0	50.0	4.0	0.0	32.2	26.6
1236	125.0	50.0	4.0	0.0	32.5	26.9
1237	150.0	50.0	4.0	0.0	33.3	27.6
1238	175.0	50.0	4.0	0.0	33.0	27.3
1239	200.0	50.0	4.0	0.0	35.4	27.8
1240	225.0	50.0	4.0	0.0	35.7	27.8
1241	250.0	50.0	4.0	0.0	40.2	29.7
1242	275.0	50.0	4.0	0.0	40.8	30.7
1243	300.0	50.0	4.0	0.0	41.4	31.1
1244	325.0	50.0	4.0	0.0	41.9	31.1
1245	350.0	50.0	4.0	0.0	42.3	31.3
1246	375.0	50.0	4.0	0.0	42.7	31.5
1247	400.0	50.0	4.0	0.0	43.0	31.6
1248	425.0	50.0	4.0	0.0	43.4	32.4
1249	450.0	50.0	4.0	0.0	43.7	32.5
1250	475.0	50.0	4.0	0.0	43.9	32.5
1251	500.0	50.0	4.0	0.0	44.0	33.2
1252	525.0	50.0	4.0	0.0	44.1	34.5
1253	550.0	50.0	4.0	0.0	43.4	34.5
1254	575.0	50.0	4.0	0.0	42.8	33.2
1255	600.0	50.0	4.0	0.0	41.0	29.4
1256	625.0	50.0	4.0	0.0	39.6	31.3
1257	650.0	50.0	4.0	0.0	37.9	30.4
1258	675.0	50.0	4.0	0.0	37.7	29.7
1259	700.0	50.0	4.0	0.0	36.0	28.7
1260	725.0	50.0	4.0	0.0	34.3	27.5
1261	750.0	50.0	4.0	0.0	33.9	27.2
1262	775.0	50.0	4.0	0.0	32.6	27.2
1263	800.0	50.0	4.0	0.0	32.4	26.5
1264	825.0	50.0	4.0	0.0	31.3	25.4
1265	850.0	50.0	4.0	0.0	32.7	26.0
1266	875.0	50.0	4.0	0.0	31.8	28.1
1267	900.0	50.0	4.0	0.0	31.5	30.0
1268	925.0	50.0	4.0	0.0	31.7	28.8
1269	950.0	50.0	4.0	0.0	31.4	28.4
1270	975.0	50.0	4.0	0.0	31.2	27.8
1271	1000.0	50.0	4.0	0.0	31.4	28.2

## hałas obliczenia.txt

1272	0.0	25.0	4.0	0.0	29.8	24.8
1273	25.0	25.0	4.0	0.0	30.3	25.4
1274	50.0	25.0	4.0	0.0	30.6	25.4
1275	75.0	25.0	4.0	0.0	31.6	26.0
1276	100.0	25.0	4.0	0.0	31.9	26.4
1277	125.0	25.0	4.0	0.0	32.6	26.9
1278	150.0	25.0	4.0	0.0	33.2	26.9
1279	175.0	25.0	4.0	0.0	34.9	27.4
1280	200.0	25.0	4.0	0.0	34.8	27.1
1281	225.0	25.0	4.0	0.0	34.3	27.4
1282	250.0	25.0	4.0	0.0	39.6	30.1
1283	275.0	25.0	4.0	0.0	40.2	30.4
1284	300.0	25.0	4.0	0.0	40.7	30.1
1285	325.0	25.0	4.0	0.0	41.1	30.4
1286	350.0	25.0	4.0	0.0	41.5	30.7
1287	375.0	25.0	4.0	0.0	41.9	30.8
1288	400.0	25.0	4.0	0.0	42.2	31.8
1289	425.0	25.0	4.0	0.0	42.5	31.8
1290	450.0	25.0	4.0	0.0	42.7	31.8
1291	475.0	25.0	4.0	0.0	42.9	32.1
1292	500.0	25.0	4.0	0.0	43.1	33.2
1293	525.0	25.0	4.0	0.0	43.2	34.0
1294	550.0	25.0	4.0	0.0	43.5	34.0
1295	575.0	25.0	4.0	0.0	42.5	32.6
1296	600.0	25.0	4.0	0.0	41.6	29.1
1297	625.0	25.0	4.0	0.0	39.4	29.6
1298	650.0	25.0	4.0	0.0	38.2	29.8
1299	675.0	25.0	4.0	0.0	37.6	29.4
1300	700.0	25.0	4.0	0.0	36.6	28.5
1301	725.0	25.0	4.0	0.0	34.5	27.5
1302	750.0	25.0	4.0	0.0	33.3	26.6
1303	775.0	25.0	4.0	0.0	33.4	26.6
1304	800.0	25.0	4.0	0.0	32.9	26.6
1305	825.0	25.0	4.0	0.0	31.5	25.3
1306	850.0	25.0	4.0	0.0	31.4	25.1
1307	875.0	25.0	4.0	0.0	31.9	26.0
1308	900.0	25.0	4.0	0.0	31.4	27.5
1309	925.0	25.0	4.0	0.0	31.0	29.4
1310	950.0	25.0	4.0	0.0	31.2	28.2
1311	975.0	25.0	4.0	0.0	30.9	27.8
1312	1000.0	25.0	4.0	0.0	30.7	27.3
1313	0.0	0.0	4.0	0.0	29.6	24.5
1314	25.0	0.0	4.0	0.0	30.1	24.8
1315	50.0	0.0	4.0	0.0	30.8	25.4
1316	75.0	0.0	4.0	0.0	31.3	25.9
1317	100.0	0.0	4.0	0.0	32.0	26.2
1318	125.0	0.0	4.0	0.0	32.6	27.0
1319	150.0	0.0	4.0	0.0	33.9	26.9
1320	175.0	0.0	4.0	0.0	35.1	26.9
1321	200.0	0.0	4.0	0.0	35.8	27.6
1322	225.0	0.0	4.0	0.0	38.1	29.1
1323	250.0	0.0	4.0	0.0	39.1	29.8
1324	275.0	0.0	4.0	0.0	39.6	29.4

						hałas obliczenia.txt	
1325	300.0	0.0	4.0	0.0	40.1	29.7	
1326	325.0	0.0	4.0	0.0	40.6	29.9	
1327	350.0	0.0	4.0	0.0	40.8	29.9	
1328	375.0	0.0	4.0	0.0	41.2	31.1	
1329	400.0	0.0	4.0	0.0	41.4	31.2	
1330	425.0	0.0	4.0	0.0	41.7	31.2	
1331	450.0	0.0	4.0	0.0	41.8	31.3	
1332	475.0	0.0	4.0	0.0	42.0	31.7	
1333	500.0	0.0	4.0	0.0	42.2	32.9	
1334	525.0	0.0	4.0	0.0	42.4	33.5	
1335	550.0	0.0	4.0	0.0	42.5	33.4	
1336	575.0	0.0	4.0	0.0	42.7	32.0	
1337	600.0	0.0	4.0	0.0	41.5	28.6	
1338	625.0	0.0	4.0	0.0	40.3	29.1	
1339	650.0	0.0	4.0	0.0	38.0	29.3	
1340	675.0	0.0	4.0	0.0	37.9	29.1	
1341	700.0	0.0	4.0	0.0	37.5	28.3	
1342	725.0	0.0	4.0	0.0	35.0	27.3	
1343	750.0	0.0	4.0	0.0	33.5	26.4	
1344	775.0	0.0	4.0	0.0	32.5	26.3	
1345	800.0	0.0	4.0	0.0	33.0	26.5	
1346	825.0	0.0	4.0	0.0	31.4	25.4	
1347	850.0	0.0	4.0	0.0	31.2	25.3	
1348	875.0	0.0	4.0	0.0	31.8	25.1	
1349	900.0	0.0	4.0	0.0	31.6	26.8	
1350	925.0	0.0	4.0	0.0	30.8	26.5	
1351	950.0	0.0	4.0	0.0	30.4	28.1	
1352	975.0	0.0	4.0	0.0	30.7	27.7	
1353	1000.0	0.0	4.0	0.0	30.4	27.3	
1354	627.8	321.4	4.0	0.0	42.6	42.4	

LAeq , dzień: wartość największa poza terenem zakładu występuje w punkcie (300,300,4.0)  
i wynosi 60.2 dB(A)  
LAeq , noc: wartość największa poza terenem zakładu występuje w punkcie (650,350,4.0)  
i wynosi 46.4 dB(A)

Tłumienie przez grunt wg wzoru 9 PN-ISO 9613.

Koniec obliczeń