

Z.U.O. "EKO - SOFT"  
 Łódź ul. Rogozińskiego 17/7  
 tel. 042 648 71 85

HAŁAS PRZEMYSŁOWY i DROGOWY  
 PROGRAM SON2 WERSJA 4.0

DANE WEJŚCIOWE

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Rodzaj obliczeń: Poziom hałasu równonoważnego

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 : grunt porowaty, wskaźnik gruntu G = 1

6. Punktowe źródła hałasu

Lp Do	Symbol	Współrzędne źródła			Rodzaj	LAW	tD	tN	
		x	y	z					ht
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dB		m	m	m	m		dB(A)	h	h
=====									
1	wd 1	578.1	547.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
2	wd 2	582.3	545.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
3	wd 3	586.2	543.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
4	wd 4	590.4	541.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
5	wd 5	595.8	539.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
6	wd 6	600.0	538.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
7	wd 7	604.8	536.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
8	wd 8	608.9	534.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
9	wd 9	613.1	532.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
10	wd 10	616.7	531.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
11	wd 11	621.2	529.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
12	wd 12	625.1	527.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
13	wd 13	629.0	526.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
14	wd 14	633.5	524.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
15	wd 15	638.6	522.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
16	wd 16	643.7	521.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
17	wd 17	648.4	519.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
18	wd 18	652.9	517.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
19	wd 19	657.1	515.6	5.0	0.0	wszechkier.	61.0	8.000	1.000

Dane i obliczenia.txt									
3									
20	wd 20	661.3	513.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
21	wd 21	665.8	512.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
22	wd 22	669.7	510.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
23	wd 23	673.6	509.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
24	wd 24	677.8	507.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
25	wd 25	682.6	505.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
26	wd 26	687.1	503.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
27	wd 27	691.5	501.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
28	wd 28	695.7	499.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
29	wd 29	699.6	498.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
30	wd 30	703.8	496.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
31	wd 31	708.6	494.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
32	wd 32	713.4	492.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
33	wd 33	718.5	490.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
34	wd 34	723.0	488.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
35	wd 35	726.8	487.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
36	wd 36	731.0	485.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
37	wd 37	568.6	589.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
38	wd 38	572.7	587.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
39	wd 39	576.9	586.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
40	wd 40	581.7	583.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
41	wd 41	586.2	582.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
42	wd 42	591.6	580.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
43	wd 43	595.5	578.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
44	wd 44	599.1	576.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
45	wd 45	603.6	575.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
46	wd 46	607.5	573.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
47	wd 47	611.3	572.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
48	wd 48	615.5	570.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
49	wd 49	620.0	569.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
50	wd 50	624.5	567.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
51	wd 51	629.6	565.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
52	wd 52	634.4	563.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
53	wd 53	639.8	561.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
54	wd 54	644.0	560.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
55	wd 55	648.2	557.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
56	wd 56	652.0	556.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									

Dane i obliczenia.txt									
57	wd 57	655.9	554.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
58	wd 58	660.1	552.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
59	wd 59	664.0	551.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
60	wd 60	669.1	549.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
61	wd 61	673.6	546.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
62	wd 62	677.5	546.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
63	wd 63	681.7	544.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
64	wd 64	686.5	541.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
65	wd 65	690.3	540.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
66	wd 66	694.8	538.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
67	wd 67	700.2	536.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
68	wd 68	704.1	535.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
69	wd 69	708.6	532.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
70	wd 70	713.1	531.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
71	wd 71	717.6	529.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
72	wd 72	721.5	527.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
73	wd 73	557.5	632.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
74	wd 74	562.0	631.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
75	wd 75	565.6	629.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
76	wd 76	570.6	627.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
77	wd 77	575.1	626.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
78	wd 78	579.9	623.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
79	wd 79	584.4	622.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
80	wd 80	588.9	620.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
81	wd 81	592.8	618.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
82	wd 82	597.0	617.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
83	wd 83	600.9	615.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
84	wd 84	604.8	614.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
85	wd 85	608.9	612.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
86	wd 86	613.4	611.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
87	wd 87	619.1	608.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
88	wd 88	624.5	606.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
89	wd 89	629.3	604.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
90	wd 90	633.2	603.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
91	wd 91	637.1	601.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
92	wd 92	641.0	599.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
93	wd 93	645.2	597.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
94	wd 94	649.3	596.4	5.0	0.0	wszechkier.	61.0	8.000	1.000

Dane i obliczenia.txt									
3									
95	wd 95	653.2	594.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
96	wd 96	657.7	592.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
97	wd 97	662.8	591.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
98	wd 98	667.0	588.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
99	wd 99	670.9	587.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
100	wd 100	674.8	585.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
101	wd 101	679.0	584.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
102	wd 102	684.1	582.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
103	wd 103	688.8	580.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
104	wd 104	693.6	579.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
105	wd 105	698.4	577.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
106	wd 106	702.9	575.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
107	wd 107	707.4	573.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
108	wd 108	711.3	572.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
109	wd 109	540.1	676.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
110	wd 110	545.2	674.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
111	wd 111	549.1	673.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
112	wd 112	553.6	671.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
113	wd 113	558.7	669.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
114	wd 114	562.9	667.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
115	wd 115	567.7	666.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
116	wd 116	572.1	664.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
117	wd 117	575.7	662.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
118	wd 118	580.2	660.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
119	wd 119	584.7	659.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
120	wd 120	588.9	657.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
121	wd 121	592.8	656.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
122	wd 122	596.7	655.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
123	wd 123	602.1	653.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
124	wd 124	607.2	650.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
125	wd 125	611.6	648.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
126	wd 126	616.7	647.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
127	wd 127	620.9	645.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
128	wd 128	625.1	643.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
129	wd 129	629.0	641.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
130	wd 130	632.9	640.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
131	wd 131	637.1	638.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									

Dane i obliczenia.txt									
132	wd 132	641.3	637.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
133	wd 133	646.1	634.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
134	wd 134	650.5	632.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
135	wd 135	654.7	632.0	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
136	wd 136	659.2	629.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
137	wd 137	663.1	628.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
138	wd 138	667.9	626.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
139	wd 139	672.4	624.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
140	wd 140	676.6	622.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
141	wd 141	682.0	620.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
142	wd 142	685.6	619.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
143	wd 143	691.5	617.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
144	wd 144	694.8	615.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
145	wd 145	521.0	719.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
146	wd 146	525.5	717.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
147	wd 147	530.3	716.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
148	wd 148	534.4	714.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
149	wd 149	538.3	712.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
150	wd 150	544.0	710.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
151	wd 151	548.5	708.9	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
152	wd 152	553.3	707.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
153	wd 153	558.1	704.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
154	wd 154	562.6	702.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
155	wd 155	567.7	700.2	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
156	wd 156	572.1	698.7	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
157	wd 157	577.2	696.3	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
158	wd 158	581.4	694.5	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
159	wd 159	587.1	692.4	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
160	wd 160	591.3	690.6	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
161	wd 161	596.1	688.8	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
162	wd 162	600.9	687.1	5.0	0.0	wszechkier.	61.0	8.000	1.000
3									
163	ws 1	559.6	539.6	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
164	ws 2	560.4	541.2	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
165	ws 3	561.0	543.0	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
166	ws 4	562.0	544.2	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
167	ws 5	562.6	545.4	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
168	ws 6	563.2	546.8	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
169	ws 7	563.6	548.0	3.0	0.0	wszechkier.	65.0	8.000	1.000

Dane i obliczenia.txt									
3									
170	ws 8	564.2	549.2	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
171	ws 9	564.8	550.6	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
172	ws 10	565.7	552.0	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
173	ws 11	566.2	553.3	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
174	ws 12	566.7	554.4	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
175	ws 13	567.4	556.2	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
176	ws 14	568.0	557.5	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
177	ws 15	568.5	558.8	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
178	ws 16	569.0	560.1	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
179	ws 17	569.5	561.2	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
180	ws 18	570.0	562.4	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
181	ws 19	570.5	563.6	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
182	ws 20	571.0	564.7	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
183	ws 21	571.4	565.7	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
184	ws 22	567.0	555.4	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
185	ws 23	549.9	582.9	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
186	ws 24	550.6	584.5	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
187	ws 25	551.2	585.8	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
188	ws 26	551.7	587.1	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
189	ws 27	552.3	588.3	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
190	ws 28	552.6	589.1	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
191	ws 29	553.1	590.2	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
192	ws 30	553.5	591.3	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
193	ws 31	553.9	592.2	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
194	ws 32	554.3	593.0	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
195	ws 33	554.6	593.8	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
196	ws 34	555.1	594.9	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
197	ws 35	555.5	595.9	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
198	ws 36	556.0	597.0	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
199	ws 37	556.4	598.0	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
200	ws 38	556.9	599.0	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
201	ws 39	557.3	599.9	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
202	ws 40	557.7	600.9	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
203	ws 41	558.2	602.1	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
204	ws 42	558.6	603.0	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
205	ws 43	559.0	604.0	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
206	ws 44	559.6	605.4	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									

Dane i obliczenia.txt									
207	ws 45	540.4	626.0	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
208	ws 46	540.8	627.6	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
209	ws 47	541.6	629.0	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
210	ws 48	542.1	630.3	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
211	ws 49	542.5	631.3	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
212	ws 50	543.0	632.6	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
213	ws 51	543.6	634.1	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
214	ws 52	544.1	635.1	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
215	ws 53	544.6	636.4	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
216	ws 54	545.1	637.5	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
217	ws 55	545.5	638.5	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
218	ws 56	546.0	639.7	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
219	ws 57	546.4	640.8	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
220	ws 58	546.8	641.8	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
221	ws 59	547.2	642.7	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
222	ws 60	547.7	643.9	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
223	ws 61	548.2	645.0	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
224	ws 62	548.7	646.3	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
225	ws 63	549.2	647.6	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
226	ws 64	549.8	648.9	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
227	ws 65	550.2	649.8	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
228	ws 66	550.8	651.3	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
229	ws 67	522.9	669.5	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
230	ws 68	523.4	670.6	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
231	ws 69	523.8	671.6	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
232	ws 70	524.2	672.7	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
233	ws 71	524.7	673.8	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
234	ws 72	525.1	674.9	1.5	0.0	wszechkier.	65.0	8.000	1.000
3									
235	ws 73	525.6	675.9	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
236	ws 74	526.1	677.2	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
237	ws 75	526.6	678.5	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
238	ws 76	527.1	679.7	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
239	ws 77	527.6	681.0	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
240	ws 78	528.0	681.8	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
241	ws 79	528.4	682.9	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
242	ws 80	528.7	683.7	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
243	ws 81	529.3	684.9	3.0	0.0	wszechkier.	65.0	8.000	1.000
3									
244	ws 82	529.8	686.2	3.0	0.0	wszechkier.	65.0	8.000	1.000

## Dane i obliczenia.txt

3										
245	ws 83	530.3	687.6	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
246	ws 84	530.8	688.7	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
247	ws 85	531.4	690.1	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
248	ws 86	532.0	691.6	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
249	ws 87	532.5	692.9	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
250	ws 88	533.1	694.4	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
251	ws 89	511.1	713.6	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
252	ws 90	511.7	714.8	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
253	ws 91	512.3	716.4	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
254	ws 92	512.9	718.2	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
255	ws 93	514.1	720.0	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
256	ws 94	514.7	721.6	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
257	ws 95	515.5	723.0	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
258	ws 96	516.3	724.8	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
259	ws 97	517.5	726.2	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
260	ws 98	518.2	727.6	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
261	ws 99	519.4	729.9	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
262	ws 100	520.5	732.0	1.5	0.0	wszechkier.	65.0	8.000	1.000	
3										
263	pp 1	668.7	529.9	1.5	0.0	wszechkier.	83.0	3.000	0.500	
264	pp 2	634.0	545.0	1.5	0.0	wszechkier.	83.0	3.000	0.500	
265	pp 3	645.8	614.4	1.5	0.0	wszechkier.	83.0	3.000	0.500	
266	pp 4	604.5	633.6	1.5	0.0	wszechkier.	83.0	3.000	0.500	
267	pp 5	562.6	718.8	1.5	0.0	wszechkier.	83.0	3.000	0.500	

## 7. Liniowe źródła hałasu

-----										
Lp	Symbol	Początek				Koniec				LAW
8hD	LAW 1hN	D0								
			x1	y1	z1	h1t	x2	y2	z2	h2t
-----										
			m	m	m	m	m	m	m	dB
	dB	dB	=====							
1		R1	824.1	356.7	0.5	0.0	818.1	423.7	0.5	90.3
86.3	3									
2		R2	818.1	423.7	0.5	0.0	737.9	659.5	0.5	90.3
86.3	3									
3		R3	737.9	659.5	0.5	0.0	678.7	686.5	0.5	90.3
86.3	3									
4		R4	678.7	686.5	0.5	0.0	670.9	702.6	0.5	90.3
86.3	3									
5		R5	670.9	702.6	0.5	0.0	647.6	711.0	0.5	90.3
86.3	3									
6		R6	647.6	711.0	0.5	0.0	631.4	697.8	0.5	90.3
86.3	3									
7		R7	631.4	697.8	0.5	0.0	690.6	669.1	0.5	90.3
86.3	3									



Dane i obliczenia.txt											
8	R8	690.6	669.1	0.5	0.0	710.4	618.2	0.5	0.0	90.3	
86.3	3										
9	R9	710.4	618.2	0.5	0.0	721.8	590.1	0.5	0.0	90.3	
86.3	3										
10	R10	721.8	590.1	0.5	0.0	734.3	550.6	0.5	0.0	90.3	
86.3	3										
11	R11	734.3	550.6	0.5	0.0	739.7	516.5	0.5	0.0	90.3	
86.3	3										

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

LAW 8hD - równoważny poziom mocy akustycznej źródła w przedziale 8 kolejnych najmniej korzystnych godzin dnia

LAW 1hN - równoważny poziom mocy akustycznej źródła w przedziale 1 najmniej korzystnej godziny nocy

#### 8. Źródła hałasu typu budynek

Lp	Symbol	Współrzędne wierzchołków budynku [m]								ho	h1	ht
		A(x1, y1)	B(x2, y2)	C(x3, y3)	D(x4, y4)	m	m	m	m			
1	ap 1	753.3	510.7	767.6	515.9	770.4	508.7	755.7	503.9	0.0	8.0	
0.0												

#### 8.1 Opis ścian budynków

Lp	Budynek	Wielkość	Jedn.	Ściana AB	Ściana BC	Ściana CD	Ściana DA
dach							
1	ap 1	Wsp. odbicia	-	1.0	1.0	1.0	1.0
1.0							
96.0		LAWew dzień	dB(A)	96.0	96.0	96.0	96.0
96.0		LAWew noc	dB(A)	96.0	96.0	96.0	96.0
39.0		Izolacyjność	dB(A)	46.0	46.0	46.0	46.0

LAWew dzień - poziom dźwięku A wewnątrz budynku w przedziale 8 kolejnych najmniej korzystnych godzin dnia

LAWew noc - poziom dźwięku A wewnątrz budynku w przedziale 1 najmniej korzystnej godziny nocy

#### 9. Ekrany - budynki

Lp	Symbol	Wia	Współrzędne x,y wierzchołków ekranu[m]								ho	h1
ht	Współczynniki	ta	x1	y1	x2	y2	x3	y3	x4	y4	m	m
m	odbicia scian	(W)										
	nr 1 - 4											
1	EK-B 1	572.1	567.4	747.5	496.1	736.1	468.0	559.6	537.4	0.0	5.0	
0.0	1.0 0.8 1.0 0.8											
2	EK-B 2	560.8	608.1	735.5	536.8	723.6	511.1	549.4	581.7	0.0	5.0	
0.0	1.0 0.8 1.0 0.8											
3	EK-B 3	551.2	652.3	725.4	582.3	713.4	554.2	539.8	624.8	0.0	5.0	
0.0	1.0 0.8 1.0 0.8											
4	EK-B 4	533.8	696.0	707.4	625.4	697.2	597.3	522.5	668.5	0.0	5.0	
0.0	1.0 0.8 1.0 0.8											
5	EK-B 5	521.3	733.7	611.6	697.2	602.7	673.9	510.5	712.2	0.0	5.0	

## Dane i obliczenia.txt

```

0.0 1.0 0.8 1.0 0.8
6      EK-B 6      627.2 690.6 682.9 669.7 678.1 656.5 621.8 678.7 0.0 4.0
0.0 1.0 0.8 1.0 0.8
7      EK-B 7      718.8 657.1 731.3 654.1 719.4 624.2 708.6 629.0 0.0 3.5
0.0 1.0 0.8 1.0 0.8

```

## 10. Obszary zieleni

Lp	Nazwa	Wyso- kość[m]	ht	Współrzędne wierzchołków wieloboków zieleni[m]							
				x	y	x	y	x	y	x	y
1	Las	20.0	0.0	809.1	418.9	810.3	342.3	915.7	360.3	912.1	16.8
				483.6	10.8	347.1	61.0	227.4	260.9	136.5	454.8
				23.9	997.1	75.4	1005.4	74.2	1088.0	647.6	1079.7
				480.0	806.7	476.4	538.6	651.1	462.0	807.9	418.9
										9.6	445.3
										664.3	884.5

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	1200.0	4.0	0.0	6.8	
2	50.0	1200.0	4.0	0.0	8.6	
3	100.0	1200.0	4.0	0.0	8.2	
4	150.0	1200.0	4.0	0.0	9.4	
5	200.0	1200.0	4.0	0.0	9.9	
6	250.0	1200.0	4.0	0.0	10.3	
7	300.0	1200.0	4.0	0.0	9.8	
8	350.0	1200.0	4.0	0.0	9.3	
9	400.0	1200.0	4.0	0.0	9.7	
10	450.0	1200.0	4.0	0.0	11.0	5.0
11	500.0	1200.0	4.0	0.0	11.3	6.4
12	550.0	1200.0	4.0	0.0	11.5	6.6
13	600.0	1200.0	4.0	0.0	13.5	7.6
14	650.0	1200.0	4.0	0.0	23.6	19.1
15	700.0	1200.0	4.0	0.0	25.5	21.2
16	750.0	1200.0	4.0	0.0	25.8	21.7
17	800.0	1200.0	4.0	0.0	25.8	21.7
18	850.0	1200.0	4.0	0.0	26.0	21.9
19	900.0	1200.0	4.0	0.0	25.9	21.8
20	950.0	1200.0	4.0	0.0	25.3	21.2
21	1000.0	1200.0	4.0	0.0	25.2	21.1
22	1050.0	1200.0	4.0	0.0	25.0	20.9
23	1100.0	1200.0	4.0	0.0	24.5	20.4
24	1150.0	1200.0	4.0	0.0	24.1	20.0
25	1200.0	1200.0	4.0	0.0	23.3	19.2
26	1250.0	1200.0	4.0	0.0	22.7	18.8
27	1300.0	1200.0	4.0	0.0	22.7	18.7
28	1350.0	1200.0	4.0	0.0	22.1	17.8
29	1400.0	1200.0	4.0	0.0	21.6	17.2
30	1450.0	1200.0	4.0	0.0	20.7	15.9
31	1500.0	1200.0	4.0	0.0	20.0	14.7
32	1550.0	1200.0	4.0	0.0	19.4	13.4
33	1600.0	1200.0	4.0	0.0	19.0	12.6
34	1650.0	1200.0	4.0	0.0	18.4	10.6
35	1700.0	1200.0	4.0	0.0	18.3	10.3
36	1750.0	1200.0	4.0	0.0	18.1	10.3
37	1800.0	1200.0	4.0	0.0	17.3	8.2
38	0.0	1150.0	4.0	0.0	8.9	
39	50.0	1150.0	4.0	0.0	9.3	
40	100.0	1150.0	4.0	0.0	9.7	
41	150.0	1150.0	4.0	0.0	9.3	
42	200.0	1150.0	4.0	0.0	10.6	
43	250.0	1150.0	4.0	0.0	11.0	
44	300.0	1150.0	4.0	0.0	11.5	0.2
45	350.0	1150.0	4.0	0.0	11.0	5.0
46	400.0	1150.0	4.0	0.0	10.5	6.5

## Dane i obliczenia.txt

47	450.0	1150.0	4.0	0.0	12.2	8.6
48	500.0	1150.0	4.0	0.0	13.0	8.9
49	550.0	1150.0	4.0	0.0	14.0	9.1
50	600.0	1150.0	4.0	0.0	14.8	9.2
51	650.0	1150.0	4.0	0.0	24.3	19.9
52	700.0	1150.0	4.0	0.0	26.5	22.4
53	750.0	1150.0	4.0	0.0	26.8	22.7
54	800.0	1150.0	4.0	0.0	26.8	22.8
55	850.0	1150.0	4.0	0.0	26.8	22.7
56	900.0	1150.0	4.0	0.0	26.6	22.5
57	950.0	1150.0	4.0	0.0	26.2	22.1
58	1000.0	1150.0	4.0	0.0	26.0	21.9
59	1050.0	1150.0	4.0	0.0	25.6	21.5
60	1100.0	1150.0	4.0	0.0	25.2	21.1
61	1150.0	1150.0	4.0	0.0	24.4	20.2
62	1200.0	1150.0	4.0	0.0	24.0	19.8
63	1250.0	1150.0	4.0	0.0	23.8	19.7
64	1300.0	1150.0	4.0	0.0	23.0	19.0
65	1350.0	1150.0	4.0	0.0	22.4	18.4
66	1400.0	1150.0	4.0	0.0	21.3	17.0
67	1450.0	1150.0	4.0	0.0	20.9	16.3
68	1500.0	1150.0	4.0	0.0	20.3	15.3
69	1550.0	1150.0	4.0	0.0	19.5	14.1
70	1600.0	1150.0	4.0	0.0	19.4	13.4
71	1650.0	1150.0	4.0	0.0	19.2	12.9
72	1700.0	1150.0	4.0	0.0	18.5	11.2
73	1750.0	1150.0	4.0	0.0	18.0	10.0
74	1800.0	1150.0	4.0	0.0	17.5	8.4
75	0.0	1100.0	4.0	0.0	9.8	
76	50.0	1100.0	4.0	0.0	10.1	
77	100.0	1100.0	4.0	0.0	10.5	0.0
78	150.0	1100.0	4.0	0.0	10.9	0.3
79	200.0	1100.0	4.0	0.0	10.5	0.6
80	250.0	1100.0	4.0	0.0	11.8	3.6
81	300.0	1100.0	4.0	0.0	12.3	7.6
82	350.0	1100.0	4.0	0.0	12.2	8.6
83	400.0	1100.0	4.0	0.0	12.3	8.2
84	450.0	1100.0	4.0	0.0	14.3	9.3
85	500.0	1100.0	4.0	0.0	15.6	10.4
86	550.0	1100.0	4.0	0.0	16.4	10.7
87	600.0	1100.0	4.0	0.0	16.5	10.8
88	650.0	1100.0	4.0	0.0	25.3	21.0
89	700.0	1100.0	4.0	0.0	27.6	23.6
90	750.0	1100.0	4.0	0.0	27.9	23.9
91	800.0	1100.0	4.0	0.0	27.9	24.0
92	850.0	1100.0	4.0	0.0	27.7	23.8
93	900.0	1100.0	4.0	0.0	27.3	23.3
94	950.0	1100.0	4.0	0.0	27.1	23.0
95	1000.0	1100.0	4.0	0.0	26.8	22.7
96	1050.0	1100.0	4.0	0.0	26.2	22.1
97	1100.0	1100.0	4.0	0.0	25.6	21.5
98	1150.0	1100.0	4.0	0.0	25.2	21.1
99	1200.0	1100.0	4.0	0.0	24.9	20.7
100	1250.0	1100.0	4.0	0.0	24.1	20.0
101	1300.0	1100.0	4.0	0.0	23.5	19.5
102	1350.0	1100.0	4.0	0.0	22.2	18.2
103	1400.0	1100.0	4.0	0.0	21.6	17.5
104	1450.0	1100.0	4.0	0.0	20.8	16.3
105	1500.0	1100.0	4.0	0.0	20.4	15.5
106	1550.0	1100.0	4.0	0.0	20.5	15.3
107	1600.0	1100.0	4.0	0.0	19.9	14.6
108	1650.0	1100.0	4.0	0.0	19.1	13.6
109	1700.0	1100.0	4.0	0.0	18.7	11.2
110	1750.0	1100.0	4.0	0.0	18.4	9.6
111	1800.0	1100.0	4.0	0.0	17.5	8.6
112	0.0	1050.0	4.0	0.0	9.7	3.5
113	50.0	1050.0	4.0	0.0	11.3	5.6
114	100.0	1050.0	4.0	0.0	11.5	5.6
115	150.0	1050.0	4.0	0.0	11.8	5.8
116	200.0	1050.0	4.0	0.0	12.3	6.0
117	250.0	1050.0	4.0	0.0	11.9	7.1
118	300.0	1050.0	4.0	0.0	13.4	9.8
119	350.0	1050.0	4.0	0.0	15.0	10.8
120	400.0	1050.0	4.0	0.0	15.4	10.6
121	450.0	1050.0	4.0	0.0	15.9	10.4

## Dane i obliczenia.txt

122	500.0	1050.0	4.0	0.0	17.0	11.6
123	550.0	1050.0	4.0	0.0	17.7	11.9
124	600.0	1050.0	4.0	0.0	17.8	12.1
125	650.0	1050.0	4.0	0.0	25.5	21.2
126	700.0	1050.0	4.0	0.0	28.9	24.9
127	750.0	1050.0	4.0	0.0	29.1	25.2
128	800.0	1050.0	4.0	0.0	29.0	25.1
129	850.0	1050.0	4.0	0.0	28.8	25.0
130	900.0	1050.0	4.0	0.0	28.3	24.3
131	950.0	1050.0	4.0	0.0	28.0	24.0
132	1000.0	1050.0	4.0	0.0	27.5	23.5
133	1050.0	1050.0	4.0	0.0	26.8	22.7
134	1100.0	1050.0	4.0	0.0	26.4	22.2
135	1150.0	1050.0	4.0	0.0	26.0	21.9
136	1200.0	1050.0	4.0	0.0	25.2	21.1
137	1250.0	1050.0	4.0	0.0	24.4	20.2
138	1300.0	1050.0	4.0	0.0	23.4	19.3
139	1350.0	1050.0	4.0	0.0	22.3	18.3
140	1400.0	1050.0	4.0	0.0	22.0	18.0
141	1450.0	1050.0	4.0	0.0	21.6	17.3
142	1500.0	1050.0	4.0	0.0	21.3	16.7
143	1550.0	1050.0	4.0	0.0	20.8	15.4
144	1600.0	1050.0	4.0	0.0	19.9	14.5
145	1650.0	1050.0	4.0	0.0	19.5	13.7
146	1700.0	1050.0	4.0	0.0	18.6	12.4
147	1750.0	1050.0	4.0	0.0	18.0	9.2
148	1800.0	1050.0	4.0	0.0	17.3	8.8
149	0.0	1000.0	4.0	0.0	8.0	
150	50.0	1000.0	4.0	0.0	8.3	
151	100.0	1000.0	4.0	0.0	11.9	5.5
152	150.0	1000.0	4.0	0.0	13.4	7.6
153	200.0	1000.0	4.0	0.0	13.4	9.0
154	250.0	1000.0	4.0	0.0	14.2	10.3
155	300.0	1000.0	4.0	0.0	14.9	10.6
156	350.0	1000.0	4.0	0.0	16.7	11.9
157	400.0	1000.0	4.0	0.0	17.5	12.5
158	450.0	1000.0	4.0	0.0	16.8	11.6
159	500.0	1000.0	4.0	0.0	17.7	12.1
160	550.0	1000.0	4.0	0.0	18.7	13.6
161	600.0	1000.0	4.0	0.0	19.4	14.3
162	650.0	1000.0	4.0	0.0	19.8	15.0
163	700.0	1000.0	4.0	0.0	30.4	26.5
164	750.0	1000.0	4.0	0.0	30.4	26.6
165	800.0	1000.0	4.0	0.0	30.1	26.3
166	850.0	1000.0	4.0	0.0	29.9	26.0
167	900.0	1000.0	4.0	0.0	29.4	25.6
168	950.0	1000.0	4.0	0.0	29.0	25.1
169	1000.0	1000.0	4.0	0.0	28.2	24.3
170	1050.0	1000.0	4.0	0.0	27.7	23.7
171	1100.0	1000.0	4.0	0.0	27.3	23.2
172	1150.0	1000.0	4.0	0.0	26.4	22.3
173	1200.0	1000.0	4.0	0.0	25.1	20.9
174	1250.0	1000.0	4.0	0.0	24.3	20.2
175	1300.0	1000.0	4.0	0.0	23.5	19.3
176	1350.0	1000.0	4.0	0.0	23.3	19.2
177	1400.0	1000.0	4.0	0.0	22.8	18.5
178	1450.0	1000.0	4.0	0.0	22.4	18.0
179	1500.0	1000.0	4.0	0.0	21.5	16.8
180	1550.0	1000.0	4.0	0.0	21.1	16.1
181	1600.0	1000.0	4.0	0.0	20.0	14.6
182	1650.0	1000.0	4.0	0.0	19.3	13.8
183	1700.0	1000.0	4.0	0.0	18.6	13.1
184	1750.0	1000.0	4.0	0.0	18.0	9.8
185	1800.0	1000.0	4.0	0.0	17.6	8.9
186	0.0	950.0	4.0	0.0	6.3	
187	50.0	950.0	4.0	0.0	8.8	
188	100.0	950.0	4.0	0.0	11.0	
189	150.0	950.0	4.0	0.0	11.9	0.0
190	200.0	950.0	4.0	0.0	16.0	11.7
191	250.0	950.0	4.0	0.0	16.5	12.2
192	300.0	950.0	4.0	0.0	17.1	12.6
193	350.0	950.0	4.0	0.0	17.4	12.5
194	400.0	950.0	4.0	0.0	18.6	13.8
195	450.0	950.0	4.0	0.0	18.7	14.1
196	500.0	950.0	4.0	0.0	18.9	14.9

Dane i obliczenia.txt						
197	550.0	950.0	4.0	0.0	20.4	16.7
198	600.0	950.0	4.0	0.0	21.1	17.4
199	650.0	950.0	4.0	0.0	21.5	17.8
200	700.0	950.0	4.0	0.0	32.1	28.3
201	750.0	950.0	4.0	0.0	31.9	28.1
202	800.0	950.0	4.0	0.0	31.6	27.8
203	850.0	950.0	4.0	0.0	31.0	27.2
204	900.0	950.0	4.0	0.0	30.7	26.9
205	950.0	950.0	4.0	0.0	29.7	25.9
206	1000.0	950.0	4.0	0.0	29.1	25.3
207	1050.0	950.0	4.0	0.0	28.7	24.7
208	1100.0	950.0	4.0	0.0	27.7	23.7
209	1150.0	950.0	4.0	0.0	26.3	22.2
210	1200.0	950.0	4.0	0.0	25.2	21.1
211	1250.0	950.0	4.0	0.0	25.2	21.1
212	1300.0	950.0	4.0	0.0	24.8	20.7
213	1350.0	950.0	4.0	0.0	24.1	19.8
214	1400.0	950.0	4.0	0.0	23.0	18.5
215	1450.0	950.0	4.0	0.0	22.4	17.9
216	1500.0	950.0	4.0	0.0	21.5	17.0
217	1550.0	950.0	4.0	0.0	20.9	16.3
218	1600.0	950.0	4.0	0.0	19.8	14.8
219	1650.0	950.0	4.0	0.0	19.3	13.9
220	1700.0	950.0	4.0	0.0	18.3	12.8
221	1750.0	950.0	4.0	0.0	17.9	10.5
222	1800.0	950.0	4.0	0.0	17.6	8.8
223	0.0	900.0	4.0	0.0	6.5	
224	50.0	900.0	4.0	0.0	7.3	
225	100.0	900.0	4.0	0.0	8.0	
226	150.0	900.0	4.0	0.0	11.3	6.5
227	200.0	900.0	4.0	0.0	14.2	10.3
228	250.0	900.0	4.0	0.0	18.2	13.7
229	300.0	900.0	4.0	0.0	19.5	14.8
230	350.0	900.0	4.0	0.0	19.6	15.1
231	400.0	900.0	4.0	0.0	19.5	15.1
232	450.0	900.0	4.0	0.0	20.9	17.1
233	500.0	900.0	4.0	0.0	20.3	17.1
234	550.0	900.0	4.0	0.0	22.0	18.6
235	600.0	900.0	4.0	0.0	22.9	19.3
236	650.0	900.0	4.0	0.0	23.5	19.8
237	700.0	900.0	4.0	0.0	34.0	30.4
238	750.0	900.0	4.0	0.0	33.6	29.8
239	800.0	900.0	4.0	0.0	33.2	29.3
240	850.0	900.0	4.0	0.0	32.5	28.7
241	900.0	900.0	4.0	0.0	31.6	27.8
242	950.0	900.0	4.0	0.0	30.9	27.1
243	1000.0	900.0	4.0	0.0	30.2	26.4
244	1050.0	900.0	4.0	0.0	29.1	25.2
245	1100.0	900.0	4.0	0.0	27.2	23.3
246	1150.0	900.0	4.0	0.0	26.8	22.8
247	1200.0	900.0	4.0	0.0	26.7	22.6
248	1250.0	900.0	4.0	0.0	25.8	21.7
249	1300.0	900.0	4.0	0.0	24.9	20.7
250	1350.0	900.0	4.0	0.0	24.0	19.5
251	1400.0	900.0	4.0	0.0	23.4	18.9
252	1450.0	900.0	4.0	0.0	22.2	18.0
253	1500.0	900.0	4.0	0.0	21.4	17.1
254	1550.0	900.0	4.0	0.0	20.4	16.1
255	1600.0	900.0	4.0	0.0	19.6	14.8
256	1650.0	900.0	4.0	0.0	19.4	14.0
257	1700.0	900.0	4.0	0.0	19.0	13.5
258	1750.0	900.0	4.0	0.0	18.4	12.8
259	1800.0	900.0	4.0	0.0	17.9	8.2
260	0.0	850.0	4.0	0.0	1.9	
261	50.0	850.0	4.0	0.0	4.7	
262	100.0	850.0	4.0	0.0	8.3	
263	150.0	850.0	4.0	0.0	10.6	6.6
264	200.0	850.0	4.0	0.0	10.9	7.4
265	250.0	850.0	4.0	0.0	14.2	9.4
266	300.0	850.0	4.0	0.0	18.9	14.7
267	350.0	850.0	4.0	0.0	23.0	19.0
268	400.0	850.0	4.0	0.0	22.8	19.0
269	450.0	850.0	4.0	0.0	22.3	19.0
270	500.0	850.0	4.0	0.0	24.2	20.9
271	550.0	850.0	4.0	0.0	25.1	21.9

## Dane i obliczenia.txt

272	600.0	850.0	4.0	0.0	35.9	32.6
273	650.0	850.0	4.0	0.0	36.6	33.1
274	700.0	850.0	4.0	0.0	36.7	33.0
275	750.0	850.0	4.0	0.0	35.8	32.0
276	800.0	850.0	4.0	0.0	34.8	31.0
277	850.0	850.0	4.0	0.0	34.1	30.2
278	900.0	850.0	4.0	0.0	32.7	28.9
279	950.0	850.0	4.0	0.0	32.2	28.3
280	1000.0	850.0	4.0	0.0	30.4	26.5
281	1050.0	850.0	4.0	0.0	28.8	24.9
282	1100.0	850.0	4.0	0.0	28.7	24.9
283	1150.0	850.0	4.0	0.0	28.0	24.1
284	1200.0	850.0	4.0	0.0	26.8	22.7
285	1250.0	850.0	4.0	0.0	25.9	21.8
286	1300.0	850.0	4.0	0.0	25.1	20.9
287	1350.0	850.0	4.0	0.0	23.8	19.4
288	1400.0	850.0	4.0	0.0	23.0	18.5
289	1450.0	850.0	4.0	0.0	22.3	17.9
290	1500.0	850.0	4.0	0.0	21.5	17.3
291	1550.0	850.0	4.0	0.0	21.0	16.8
292	1600.0	850.0	4.0	0.0	20.2	15.3
293	1650.0	850.0	4.0	0.0	19.6	14.1
294	1700.0	850.0	4.0	0.0	19.2	13.6
295	1750.0	850.0	4.0	0.0	18.7	13.1
296	1800.0	850.0	4.0	0.0	18.4	9.5
298	50.0	800.0	4.0	0.0	0.3	
300	150.0	800.0	4.0	0.0	3.1	
301	200.0	800.0	4.0	0.0	5.5	4.0
302	250.0	800.0	4.0	0.0	10.0	6.7
303	300.0	800.0	4.0	0.0	13.5	9.1
304	350.0	800.0	4.0	0.0	16.6	12.2
305	400.0	800.0	4.0	0.0	23.4	20.2
306	450.0	800.0	4.0	0.0	27.6	24.3
307	500.0	800.0	4.0	0.0	37.3	34.7
308	550.0	800.0	4.0	0.0	38.2	35.6
309	600.0	800.0	4.0	0.0	39.5	36.3
310	650.0	800.0	4.0	0.0	40.7	37.1
311	700.0	800.0	4.0	0.0	40.3	36.6
312	750.0	800.0	4.0	0.0	38.6	34.9
313	800.0	800.0	4.0	0.0	37.0	33.2
314	850.0	800.0	4.0	0.0	35.4	31.6
315	900.0	800.0	4.0	0.0	34.6	30.7
316	950.0	800.0	4.0	0.0	31.8	27.9
317	1000.0	800.0	4.0	0.0	31.4	27.6
318	1050.0	800.0	4.0	0.0	30.4	26.5
319	1100.0	800.0	4.0	0.0	29.4	25.6
320	1150.0	800.0	4.0	0.0	27.9	24.1
321	1200.0	800.0	4.0	0.0	26.6	22.7
322	1250.0	800.0	4.0	0.0	25.6	21.5
323	1300.0	800.0	4.0	0.0	24.8	20.6
324	1350.0	800.0	4.0	0.0	24.1	19.8
325	1400.0	800.0	4.0	0.0	23.7	19.3
326	1450.0	800.0	4.0	0.0	22.8	18.4
327	1500.0	800.0	4.0	0.0	21.8	17.6
328	1550.0	800.0	4.0	0.0	21.5	17.4
329	1600.0	800.0	4.0	0.0	20.7	16.2
330	1650.0	800.0	4.0	0.0	20.1	14.8
331	1700.0	800.0	4.0	0.0	19.6	14.2
332	1750.0	800.0	4.0	0.0	19.0	13.5
333	1800.0	800.0	4.0	0.0	18.5	10.4
337	150.0	750.0	4.0	0.0	1.0	
338	200.0	750.0	4.0	0.0	6.5	1.2
339	250.0	750.0	4.0	0.0	7.9	6.5
340	300.0	750.0	4.0	0.0	7.3	6.9
341	350.0	750.0	4.0	0.0	13.3	13.0
342	400.0	750.0	4.0	0.0	18.7	17.6
343	450.0	750.0	4.0	0.0	22.6	22.1
344	500.0	750.0	4.0	0.0	44.3	41.6
345	550.0	750.0	4.0	0.0	45.0	42.7
346	600.0	750.0	4.0	0.0	44.3	41.2
347	650.0	750.0	4.0	0.0	48.3	44.4
348	700.0	750.0	4.0	0.0	45.8	41.9
349	750.0	750.0	4.0	0.0	42.2	38.4
350	800.0	750.0	4.0	0.0	39.6	35.8
351	850.0	750.0	4.0	0.0	37.5	33.7

## Dane i obliczenia.txt

352	900.0	750.0	4.0	0.0	34.6	30.7
353	950.0	750.0	4.0	0.0	33.9	30.0
354	1000.0	750.0	4.0	0.0	32.1	28.2
355	1050.0	750.0	4.0	0.0	30.5	26.7
356	1100.0	750.0	4.0	0.0	28.9	25.0
357	1150.0	750.0	4.0	0.0	28.0	24.2
358	1200.0	750.0	4.0	0.0	27.0	23.1
359	1250.0	750.0	4.0	0.0	26.2	22.1
360	1300.0	750.0	4.0	0.0	25.2	21.0
361	1350.0	750.0	4.0	0.0	24.5	20.2
362	1400.0	750.0	4.0	0.0	23.9	19.5
363	1450.0	750.0	4.0	0.0	23.1	18.8
364	1500.0	750.0	4.0	0.0	22.4	18.1
365	1550.0	750.0	4.0	0.0	21.7	17.5
366	1600.0	750.0	4.0	0.0	20.9	16.3
367	1650.0	750.0	4.0	0.0	20.3	15.1
368	1700.0	750.0	4.0	0.0	19.7	14.3
369	1750.0	750.0	4.0	0.0	19.2	13.8
370	1800.0	750.0	4.0	0.0	18.7	12.4
371	0.0	700.0	4.0	0.0	0.5	
372	50.0	700.0	4.0	0.0	2.9	
375	200.0	700.0	4.0	0.0		0.3
376	250.0	700.0	4.0	0.0		3.5
377	300.0	700.0	4.0	0.0	9.2	7.9
378	350.0	700.0	4.0	0.0	14.7	14.5
379	400.0	700.0	4.0	0.0	19.4	19.4
380	450.0	700.0	4.0	0.0	24.6	24.5
381	500.0	700.0	4.0	0.0	42.5	42.3
384	650.0	700.0	4.0	0.0	62.8	58.8
385	700.0	700.0	4.0	0.0	54.8	50.8
386	750.0	700.0	4.0	0.0	46.4	42.5
387	800.0	700.0	4.0	0.0	41.9	38.0
388	850.0	700.0	4.0	0.0	38.8	34.9
389	900.0	700.0	4.0	0.0	35.9	32.0
390	950.0	700.0	4.0	0.0	34.2	30.3
391	1000.0	700.0	4.0	0.0	31.8	27.9
392	1050.0	700.0	4.0	0.0	30.7	26.8
393	1100.0	700.0	4.0	0.0	29.7	25.8
394	1150.0	700.0	4.0	0.0	28.2	24.4
395	1200.0	700.0	4.0	0.0	27.4	23.6
396	1250.0	700.0	4.0	0.0	26.4	22.5
397	1300.0	700.0	4.0	0.0	25.5	21.3
398	1350.0	700.0	4.0	0.0	24.8	20.6
399	1400.0	700.0	4.0	0.0	23.9	19.5
400	1450.0	700.0	4.0	0.0	23.2	18.8
401	1500.0	700.0	4.0	0.0	22.6	18.3
402	1550.0	700.0	4.0	0.0	21.6	17.5
403	1600.0	700.0	4.0	0.0	21.2	16.7
404	1650.0	700.0	4.0	0.0	20.2	15.3
405	1700.0	700.0	4.0	0.0	19.7	14.3
406	1750.0	700.0	4.0	0.0	19.3	14.0
407	1800.0	700.0	4.0	0.0	18.8	13.1
408	0.0	650.0	4.0	0.0	1.0	
409	50.0	650.0	4.0	0.0	4.7	
410	100.0	650.0	4.0	0.0	6.0	0.2
411	150.0	650.0	4.0	0.0	3.4	
412	200.0	650.0	4.0	0.0	6.2	2.2
413	250.0	650.0	4.0	0.0	0.0	3.7
414	300.0	650.0	4.0	0.0	5.9	7.1
415	350.0	650.0	4.0	0.0	15.4	15.5
416	400.0	650.0	4.0	0.0	20.1	20.3
417	450.0	650.0	4.0	0.0	25.2	25.0
418	500.0	650.0	4.0	0.0	41.0	41.0
419	550.0	650.0	4.0	0.0	55.2	55.2
421	650.0	650.0	4.0	0.0	50.6	46.7
422	700.0	650.0	4.0	0.0	63.4	59.4
423	750.0	650.0	4.0	0.0	53.3	49.3
424	800.0	650.0	4.0	0.0	44.8	40.9
425	850.0	650.0	4.0	0.0	41.1	37.2
426	900.0	650.0	4.0	0.0	37.3	33.5
427	950.0	650.0	4.0	0.0	35.0	31.1
428	1000.0	650.0	4.0	0.0	32.4	28.5
429	1050.0	650.0	4.0	0.0	30.6	26.7
430	1100.0	650.0	4.0	0.0	29.5	25.7
431	1150.0	650.0	4.0	0.0	28.6	24.8

## Dane i obliczenia.txt

432	1200.0	650.0	4.0	0.0	27.3	23.5
433	1250.0	650.0	4.0	0.0	26.4	22.6
434	1300.0	650.0	4.0	0.0	25.7	21.5
435	1350.0	650.0	4.0	0.0	25.0	20.8
436	1400.0	650.0	4.0	0.0	24.0	19.7
437	1450.0	650.0	4.0	0.0	23.3	19.0
438	1500.0	650.0	4.0	0.0	22.7	18.4
439	1550.0	650.0	4.0	0.0	21.8	17.6
440	1600.0	650.0	4.0	0.0	21.0	16.9
441	1650.0	650.0	4.0	0.0	20.3	15.6
442	1700.0	650.0	4.0	0.0	19.8	14.7
443	1750.0	650.0	4.0	0.0	19.3	14.0
444	1800.0	650.0	4.0	0.0	18.7	13.3
445	0.0	600.0	4.0	0.0	1.1	
446	50.0	600.0	4.0	0.0	4.5	
447	100.0	600.0	4.0	0.0	5.9	
448	150.0	600.0	4.0	0.0	8.2	1.1
449	200.0	600.0	4.0	0.0	10.9	6.3
450	250.0	600.0	4.0	0.0	8.9	4.9
451	300.0	600.0	4.0	0.0	11.2	7.2
452	350.0	600.0	4.0	0.0	16.4	15.7
453	400.0	600.0	4.0	0.0	19.5	19.3
454	450.0	600.0	4.0	0.0	24.1	24.2
455	500.0	600.0	4.0	0.0	39.4	39.5
456	550.0	600.0	4.0	0.0	51.2	51.2
457	600.0	600.0	4.0	0.0	41.3	39.2
459	700.0	600.0	4.0	0.0	59.5	55.5
460	750.0	600.0	4.0	0.0	54.5	50.5
461	800.0	600.0	4.0	0.0	44.8	41.0
462	850.0	600.0	4.0	0.0	39.5	35.7
463	900.0	600.0	4.0	0.0	36.3	32.6
464	950.0	600.0	4.0	0.0	33.8	30.0
465	1000.0	600.0	4.0	0.0	33.0	29.2
466	1050.0	600.0	4.0	0.0	30.6	26.9
467	1100.0	600.0	4.0	0.0	29.7	25.9
468	1150.0	600.0	4.0	0.0	28.5	24.6
469	1200.0	600.0	4.0	0.0	27.5	23.6
470	1250.0	600.0	4.0	0.0	26.7	22.9
471	1300.0	600.0	4.0	0.0	25.8	21.5
472	1350.0	600.0	4.0	0.0	24.9	20.7
473	1400.0	600.0	4.0	0.0	24.4	20.0
474	1450.0	600.0	4.0	0.0	24.0	19.6
475	1500.0	600.0	4.0	0.0	23.2	18.9
476	1550.0	600.0	4.0	0.0	22.3	18.1
477	1600.0	600.0	4.0	0.0	21.4	17.1
478	1650.0	600.0	4.0	0.0	20.7	15.8
479	1700.0	600.0	4.0	0.0	20.1	15.0
480	1750.0	600.0	4.0	0.0	19.7	14.5
481	1800.0	600.0	4.0	0.0	19.2	13.8
483	50.0	550.0	4.0	0.0	0.9	
484	100.0	550.0	4.0	0.0	4.3	
485	150.0	550.0	4.0	0.0	5.6	
486	200.0	550.0	4.0	0.0	7.0	0.8
487	250.0	550.0	4.0	0.0	8.5	4.5
488	300.0	550.0	4.0	0.0	11.0	6.2
489	350.0	550.0	4.0	0.0	13.9	10.3
490	400.0	550.0	4.0	0.0	19.9	18.7
491	450.0	550.0	4.0	0.0	23.7	23.0
492	500.0	550.0	4.0	0.0	37.9	37.6
493	550.0	550.0	4.0	0.0	45.9	45.8
497	750.0	550.0	4.0	0.0	56.2	52.3
498	800.0	550.0	4.0	0.0	46.6	42.8
499	850.0	550.0	4.0	0.0	39.7	36.1
500	900.0	550.0	4.0	0.0	36.2	32.5
501	950.0	550.0	4.0	0.0	34.4	30.6
502	1000.0	550.0	4.0	0.0	32.6	28.7
503	1050.0	550.0	4.0	0.0	31.3	27.5
504	1100.0	550.0	4.0	0.0	29.6	25.8
505	1150.0	550.0	4.0	0.0	28.3	24.6
506	1200.0	550.0	4.0	0.0	27.3	23.5
507	1250.0	550.0	4.0	0.0	26.7	22.8
508	1300.0	550.0	4.0	0.0	25.6	21.4
509	1350.0	550.0	4.0	0.0	24.8	20.4
510	1400.0	550.0	4.0	0.0	24.0	19.5
511	1450.0	550.0	4.0	0.0	23.3	18.8



## Dane i obliczenia.txt

512	1500.0	550.0	4.0	0.0	22.5	18.1
513	1550.0	550.0	4.0	0.0	21.5	17.3
514	1600.0	550.0	4.0	0.0	20.8	16.5
515	1650.0	550.0	4.0	0.0	19.9	15.0
516	1700.0	550.0	4.0	0.0	19.5	14.2
517	1750.0	550.0	4.0	0.0	18.9	13.4
518	1800.0	550.0	4.0	0.0	18.4	12.5
521	100.0	500.0	4.0	0.0	0.9	
522	150.0	500.0	4.0	0.0	4.3	
523	200.0	500.0	4.0	0.0	5.5	
524	250.0	500.0	4.0	0.0	6.9	0.6
525	300.0	500.0	4.0	0.0	8.3	4.3
526	350.0	500.0	4.0	0.0	11.2	6.0
527	400.0	500.0	4.0	0.0	17.6	16.5
528	450.0	500.0	4.0	0.0	21.0	20.2
529	500.0	500.0	4.0	0.0	24.3	23.5
530	550.0	500.0	4.0	0.0	33.5	33.2
531	600.0	500.0	4.0	0.0	36.6	35.2
532	650.0	500.0	4.0	0.0	37.6	35.2
534	750.0	500.0	4.0	0.0	53.3	49.6
535	800.0	500.0	4.0	0.0	51.6	47.6
536	850.0	500.0	4.0	0.0	40.4	36.7
537	900.0	500.0	4.0	0.0	36.7	33.1
538	950.0	500.0	4.0	0.0	34.6	30.9
539	1000.0	500.0	4.0	0.0	32.6	29.0
540	1050.0	500.0	4.0	0.0	31.0	27.3
541	1100.0	500.0	4.0	0.0	29.4	25.7
542	1150.0	500.0	4.0	0.0	28.2	24.5
543	1200.0	500.0	4.0	0.0	27.1	23.5
544	1250.0	500.0	4.0	0.0	26.1	22.4
545	1300.0	500.0	4.0	0.0	25.3	21.2
546	1350.0	500.0	4.0	0.0	24.4	20.1
547	1400.0	500.0	4.0	0.0	23.6	19.3
548	1450.0	500.0	4.0	0.0	22.9	18.5
549	1500.0	500.0	4.0	0.0	22.5	18.1
550	1550.0	500.0	4.0	0.0	21.2	16.9
551	1600.0	500.0	4.0	0.0	20.3	16.0
552	1650.0	500.0	4.0	0.0	19.7	15.0
553	1700.0	500.0	4.0	0.0	19.2	14.1
554	1750.0	500.0	4.0	0.0	18.7	13.4
555	1800.0	500.0	4.0	0.0	18.2	12.5
556	0.0	450.0	4.0	0.0	8.7	4.0
557	50.0	450.0	4.0	0.0	9.0	2.9
558	100.0	450.0	4.0	0.0	0.0	
559	150.0	450.0	4.0	0.0	1.0	
560	200.0	450.0	4.0	0.0	2.1	
561	250.0	450.0	4.0	0.0	3.3	
562	300.0	450.0	4.0	0.0	4.6	0.6
563	350.0	450.0	4.0	0.0	8.7	2.1
564	400.0	450.0	4.0	0.0	13.5	11.7
565	450.0	450.0	4.0	0.0	17.2	15.9
566	500.0	450.0	4.0	0.0	19.9	18.6
567	550.0	450.0	4.0	0.0	19.3	18.0
568	600.0	450.0	4.0	0.0	18.7	16.6
569	650.0	450.0	4.0	0.0	22.9	21.0
570	700.0	450.0	4.0	0.0	33.0	31.5
571	750.0	450.0	4.0	0.0	42.9	39.2
572	800.0	450.0	4.0	0.0	50.6	46.6
573	850.0	450.0	4.0	0.0	41.7	38.0
574	900.0	450.0	4.0	0.0	36.2	32.7
575	950.0	450.0	4.0	0.0	33.4	30.0
576	1000.0	450.0	4.0	0.0	31.4	27.8
577	1050.0	450.0	4.0	0.0	30.0	26.5
578	1100.0	450.0	4.0	0.0	28.8	25.3
579	1150.0	450.0	4.0	0.0	27.7	24.0
580	1200.0	450.0	4.0	0.0	26.7	23.1
581	1250.0	450.0	4.0	0.0	25.8	22.1
582	1300.0	450.0	4.0	0.0	25.0	21.1
583	1350.0	450.0	4.0	0.0	24.1	19.9
584	1400.0	450.0	4.0	0.0	23.4	19.2
585	1450.0	450.0	4.0	0.0	22.8	18.5
586	1500.0	450.0	4.0	0.0	22.0	17.8
587	1550.0	450.0	4.0	0.0	21.1	17.0
588	1600.0	450.0	4.0	0.0	20.3	16.0
589	1650.0	450.0	4.0	0.0	19.6	15.1

## Dane i obliczenia.txt

590	1700.0	450.0	4.0	0.0	19.4	14.6
591	1750.0	450.0	4.0	0.0	18.9	13.6
592	1800.0	450.0	4.0	0.0	18.4	12.4
600	350.0	400.0	4.0	0.0	5.4	
601	400.0	400.0	4.0	0.0	6.5	
602	450.0	400.0	4.0	0.0	14.0	11.7
603	500.0	400.0	4.0	0.0	15.9	14.4
604	550.0	400.0	4.0	0.0	16.4	14.0
605	600.0	400.0	4.0	0.0	17.5	14.3
606	650.0	400.0	4.0	0.0	18.3	15.3
607	700.0	400.0	4.0	0.0	21.8	18.3
608	750.0	400.0	4.0	0.0	28.4	24.5
609	800.0	400.0	4.0	0.0	41.8	37.8
610	850.0	400.0	4.0	0.0	45.5	41.5
611	900.0	400.0	4.0	0.0	35.9	32.1
612	950.0	400.0	4.0	0.0	32.4	28.9
613	1000.0	400.0	4.0	0.0	30.3	26.7
614	1050.0	400.0	4.0	0.0	29.1	25.8
615	1100.0	400.0	4.0	0.0	28.0	24.8
616	1150.0	400.0	4.0	0.0	27.3	23.7
617	1200.0	400.0	4.0	0.0	26.4	22.8
618	1250.0	400.0	4.0	0.0	25.5	21.9
619	1300.0	400.0	4.0	0.0	24.7	20.6
620	1350.0	400.0	4.0	0.0	23.9	19.6
621	1400.0	400.0	4.0	0.0	23.2	19.0
622	1450.0	400.0	4.0	0.0	22.6	18.5
623	1500.0	400.0	4.0	0.0	21.7	17.6
624	1550.0	400.0	4.0	0.0	20.9	17.0
625	1600.0	400.0	4.0	0.0	19.9	16.0
626	1650.0	400.0	4.0	0.0	19.2	14.8
627	1700.0	400.0	4.0	0.0	18.7	14.1
628	1750.0	400.0	4.0	0.0	18.2	12.8
629	1800.0	400.0	4.0	0.0	17.8	10.5
637	350.0	350.0	4.0	0.0	5.4	
638	400.0	350.0	4.0	0.0	6.5	
639	450.0	350.0	4.0	0.0	9.6	1.0
640	500.0	350.0	4.0	0.0	12.3	8.3
641	550.0	350.0	4.0	0.0	14.3	11.2
642	600.0	350.0	4.0	0.0	16.1	11.9
643	650.0	350.0	4.0	0.0	17.1	12.4
644	700.0	350.0	4.0	0.0	20.2	16.3
645	750.0	350.0	4.0	0.0	25.7	21.7
646	800.0	350.0	4.0	0.0	44.2	40.2
647	850.0	350.0	4.0	0.0	33.5	29.6
648	900.0	350.0	4.0	0.0	34.0	30.1
649	950.0	350.0	4.0	0.0	31.1	27.3
650	1000.0	350.0	4.0	0.0	29.3	25.7
651	1050.0	350.0	4.0	0.0	27.8	24.5
652	1100.0	350.0	4.0	0.0	26.9	23.4
653	1150.0	350.0	4.0	0.0	26.6	23.2
654	1200.0	350.0	4.0	0.0	25.5	22.0
655	1250.0	350.0	4.0	0.0	24.5	20.6
656	1300.0	350.0	4.0	0.0	24.2	20.2
657	1350.0	350.0	4.0	0.0	23.4	19.2
658	1400.0	350.0	4.0	0.0	22.9	18.7
659	1450.0	350.0	4.0	0.0	22.1	17.7
660	1500.0	350.0	4.0	0.0	21.4	17.0
661	1550.0	350.0	4.0	0.0	20.5	16.0
662	1600.0	350.0	4.0	0.0	19.8	15.6
663	1650.0	350.0	4.0	0.0	19.2	14.9
664	1700.0	350.0	4.0	0.0	18.8	14.1
665	1750.0	350.0	4.0	0.0	18.1	13.0
666	1800.0	350.0	4.0	0.0	17.6	10.4
674	350.0	300.0	4.0	0.0	5.3	
675	400.0	300.0	4.0	0.0	6.3	
676	450.0	300.0	4.0	0.0	10.5	3.5
677	500.0	300.0	4.0	0.0	11.6	5.8
678	550.0	300.0	4.0	0.0	12.7	8.7
679	600.0	300.0	4.0	0.0	14.5	10.0
680	650.0	300.0	4.0	0.0	16.1	11.2
681	700.0	300.0	4.0	0.0	18.6	13.9
682	750.0	300.0	4.0	0.0	30.2	26.3
683	800.0	300.0	4.0	0.0	34.1	30.2
684	850.0	300.0	4.0	0.0	32.3	28.4
685	900.0	300.0	4.0	0.0	22.1	17.7

## Dane i obliczenia.txt

686	950.0	300.0	4.0	0.0	29.0	25.2
687	1000.0	300.0	4.0	0.0	28.1	24.4
688	1050.0	300.0	4.0	0.0	27.0	23.4
689	1100.0	300.0	4.0	0.0	26.1	22.6
690	1150.0	300.0	4.0	0.0	25.5	21.9
691	1200.0	300.0	4.0	0.0	24.6	20.8
692	1250.0	300.0	4.0	0.0	24.4	20.5
693	1300.0	300.0	4.0	0.0	23.6	19.6
694	1350.0	300.0	4.0	0.0	22.6	18.1
695	1400.0	300.0	4.0	0.0	22.5	18.0
696	1450.0	300.0	4.0	0.0	21.4	17.0
697	1500.0	300.0	4.0	0.0	20.6	16.4
698	1550.0	300.0	4.0	0.0	19.9	15.9
699	1600.0	300.0	4.0	0.0	19.1	14.4
700	1650.0	300.0	4.0	0.0	18.5	13.7
701	1700.0	300.0	4.0	0.0	18.5	13.5
702	1750.0	300.0	4.0	0.0	18.0	12.6
703	1800.0	300.0	4.0	0.0	17.5	8.8
711	350.0	250.0	4.0	0.0	5.0	
712	400.0	250.0	4.0	0.0	7.7	
713	450.0	250.0	4.0	0.0	9.9	0.0
714	500.0	250.0	4.0	0.0	9.6	0.0
715	550.0	250.0	4.0	0.0	11.9	7.9
716	600.0	250.0	4.0	0.0	12.2	8.2
717	650.0	250.0	4.0	0.0	14.2	9.6
718	700.0	250.0	4.0	0.0	24.2	20.1
719	750.0	250.0	4.0	0.0	27.1	23.1
720	800.0	250.0	4.0	0.0	29.3	25.3
721	850.0	250.0	4.0	0.0	29.3	25.3
722	900.0	250.0	4.0	0.0	21.3	17.0
723	950.0	250.0	4.0	0.0	26.6	22.7
724	1000.0	250.0	4.0	0.0	26.4	22.5
725	1050.0	250.0	4.0	0.0	25.9	22.2
726	1100.0	250.0	4.0	0.0	25.3	21.5
727	1150.0	250.0	4.0	0.0	24.4	20.6
728	1200.0	250.0	4.0	0.0	24.0	20.1
729	1250.0	250.0	4.0	0.0	23.4	19.5
730	1300.0	250.0	4.0	0.0	23.1	18.9
731	1350.0	250.0	4.0	0.0	22.5	18.0
732	1400.0	250.0	4.0	0.0	22.0	17.8
733	1450.0	250.0	4.0	0.0	20.8	16.2
734	1500.0	250.0	4.0	0.0	20.2	15.8
735	1550.0	250.0	4.0	0.0	19.4	15.1
736	1600.0	250.0	4.0	0.0	18.8	14.8
737	1650.0	250.0	4.0	0.0	18.2	13.8
738	1700.0	250.0	4.0	0.0	17.8	13.4
739	1750.0	250.0	4.0	0.0	17.4	11.6
740	1800.0	250.0	4.0	0.0	16.9	6.5
748	350.0	200.0	4.0	0.0	0.1	
749	400.0	200.0	4.0	0.0	8.4	
750	450.0	200.0	4.0	0.0	8.0	
751	500.0	200.0	4.0	0.0	9.0	
752	550.0	200.0	4.0	0.0	9.9	3.2
753	600.0	200.0	4.0	0.0	13.6	9.6
754	650.0	200.0	4.0	0.0	20.5	16.5
755	700.0	200.0	4.0	0.0	22.6	18.4
756	750.0	200.0	4.0	0.0	24.5	20.5
757	800.0	200.0	4.0	0.0	25.6	21.6
758	850.0	200.0	4.0	0.0	26.9	22.8
759	900.0	200.0	4.0	0.0	19.5	15.4
760	950.0	200.0	4.0	0.0	17.0	10.3
761	1000.0	200.0	4.0	0.0	24.9	20.9
762	1050.0	200.0	4.0	0.0	24.6	20.6
763	1100.0	200.0	4.0	0.0	24.2	20.2
764	1150.0	200.0	4.0	0.0	23.5	19.5
765	1200.0	200.0	4.0	0.0	23.0	18.8
766	1250.0	200.0	4.0	0.0	22.5	18.2
767	1300.0	200.0	4.0	0.0	22.3	17.6
768	1350.0	200.0	4.0	0.0	21.8	17.7
769	1400.0	200.0	4.0	0.0	21.1	17.1
770	1450.0	200.0	4.0	0.0	20.4	16.1
771	1500.0	200.0	4.0	0.0	19.7	15.4
772	1550.0	200.0	4.0	0.0	18.9	14.7
773	1600.0	200.0	4.0	0.0	18.4	14.1
774	1650.0	200.0	4.0	0.0	17.6	13.6

## Dane i obliczenia.txt

775	1700.0	200.0	4.0	0.0	17.1	13.2
776	1750.0	200.0	4.0	0.0	16.7	10.8
777	1800.0	200.0	4.0	0.0	16.7	6.3
785	350.0	150.0	4.0	0.0	0.6	
786	400.0	150.0	4.0	0.0	6.6	
787	450.0	150.0	4.0	0.0	7.4	
788	500.0	150.0	4.0	0.0	8.2	
789	550.0	150.0	4.0	0.0	10.5	4.6
790	600.0	150.0	4.0	0.0	14.5	10.1
791	650.0	150.0	4.0	0.0	19.5	15.3
792	700.0	150.0	4.0	0.0	20.9	16.6
793	750.0	150.0	4.0	0.0	22.6	18.5
794	800.0	150.0	4.0	0.0	23.4	19.3
795	850.0	150.0	4.0	0.0	25.0	20.9
796	900.0	150.0	4.0	0.0	21.8	17.5
797	950.0	150.0	4.0	0.0	12.5	7.1
798	1000.0	150.0	4.0	0.0	18.7	11.9
799	1050.0	150.0	4.0	0.0	23.0	18.6
800	1100.0	150.0	4.0	0.0	22.8	18.4
801	1150.0	150.0	4.0	0.0	22.8	18.3
802	1200.0	150.0	4.0	0.0	22.0	17.5
803	1250.0	150.0	4.0	0.0	21.7	17.2
804	1300.0	150.0	4.0	0.0	21.3	16.7
805	1350.0	150.0	4.0	0.0	20.9	16.5
806	1400.0	150.0	4.0	0.0	20.1	15.6
807	1450.0	150.0	4.0	0.0	19.8	15.9
808	1500.0	150.0	4.0	0.0	19.5	15.3
809	1550.0	150.0	4.0	0.0	18.4	14.1
810	1600.0	150.0	4.0	0.0	17.8	13.3
811	1650.0	150.0	4.0	0.0	17.3	12.9
812	1700.0	150.0	4.0	0.0	16.9	12.3
813	1750.0	150.0	4.0	0.0	16.4	9.4
814	1800.0	150.0	4.0	0.0	15.8	6.1
823	400.0	100.0	4.0	0.0	3.3	
824	450.0	100.0	4.0	0.0	6.8	
825	500.0	100.0	4.0	0.0	9.3	2.5
826	550.0	100.0	4.0	0.0	7.1	
827	600.0	100.0	4.0	0.0	17.2	13.2
828	650.0	100.0	4.0	0.0	18.4	14.1
829	700.0	100.0	4.0	0.0	19.8	15.4
830	750.0	100.0	4.0	0.0	21.0	16.5
831	800.0	100.0	4.0	0.0	21.7	17.5
832	850.0	100.0	4.0	0.0	23.2	18.9
833	900.0	100.0	4.0	0.0	22.5	17.9
834	950.0	100.0	4.0	0.0	11.1	4.6
835	1000.0	100.0	4.0	0.0	11.6	1.1
836	1050.0	100.0	4.0	0.0	20.4	15.2
837	1100.0	100.0	4.0	0.0	21.2	16.6
838	1150.0	100.0	4.0	0.0	21.5	16.7
839	1200.0	100.0	4.0	0.0	21.5	16.3
840	1250.0	100.0	4.0	0.0	20.8	15.8
841	1300.0	100.0	4.0	0.0	20.2	15.5
842	1350.0	100.0	4.0	0.0	19.9	15.6
843	1400.0	100.0	4.0	0.0	19.6	15.3
844	1450.0	100.0	4.0	0.0	18.9	14.5
845	1500.0	100.0	4.0	0.0	18.6	14.5
846	1550.0	100.0	4.0	0.0	18.4	14.1
847	1600.0	100.0	4.0	0.0	17.6	13.5
848	1650.0	100.0	4.0	0.0	16.6	12.0
849	1700.0	100.0	4.0	0.0	16.4	10.3
850	1750.0	100.0	4.0	0.0	16.1	8.1
851	1800.0	100.0	4.0	0.0	15.9	7.7
861	450.0	50.0	4.0	0.0	7.0	0.7
862	500.0	50.0	4.0	0.0	5.5	
863	550.0	50.0	4.0	0.0	15.4	11.4
864	600.0	50.0	4.0	0.0	16.4	12.3
865	650.0	50.0	4.0	0.0	17.3	13.0
866	700.0	50.0	4.0	0.0	18.6	14.0
867	750.0	50.0	4.0	0.0	19.5	14.7
868	800.0	50.0	4.0	0.0	20.2	15.6
869	850.0	50.0	4.0	0.0	21.1	16.4
870	900.0	50.0	4.0	0.0	21.2	16.8
871	950.0	50.0	4.0	0.0	15.2	9.3
872	1000.0	50.0	4.0	0.0	8.6	0.1
873	1050.0	50.0	4.0	0.0	13.8	1.3

Dane i obliczenia.txt						
874	1100.0	50.0	4.0	0.0	19.9	14.9
875	1150.0	50.0	4.0	0.0	20.2	14.8
876	1200.0	50.0	4.0	0.0	20.4	15.0
877	1250.0	50.0	4.0	0.0	20.1	14.8
878	1300.0	50.0	4.0	0.0	19.6	14.7
879	1350.0	50.0	4.0	0.0	18.8	14.1
880	1400.0	50.0	4.0	0.0	18.4	13.9
881	1450.0	50.0	4.0	0.0	18.0	13.5
882	1500.0	50.0	4.0	0.0	17.5	13.0
883	1550.0	50.0	4.0	0.0	17.4	12.7
884	1600.0	50.0	4.0	0.0	17.4	12.9
885	1650.0	50.0	4.0	0.0	16.9	12.0
886	1700.0	50.0	4.0	0.0	16.1	8.8
887	1750.0	50.0	4.0	0.0	15.4	4.4
888	1800.0	50.0	4.0	0.0	15.1	4.0
896	350.0	0.0	4.0	0.0	5.9	1.9
897	400.0	0.0	4.0	0.0	3.2	
898	450.0	0.0	4.0	0.0	0.8	
899	500.0	0.0	4.0	0.0	13.9	9.9
900	550.0	0.0	4.0	0.0	14.7	10.7
901	600.0	0.0	4.0	0.0	15.5	11.4
902	650.0	0.0	4.0	0.0	16.3	12.0
903	700.0	0.0	4.0	0.0	17.3	12.9
904	750.0	0.0	4.0	0.0	17.7	12.9
905	800.0	0.0	4.0	0.0	18.8	13.9
906	850.0	0.0	4.0	0.0	19.9	15.4
907	900.0	0.0	4.0	0.0	20.1	15.5
908	950.0	0.0	4.0	0.0	17.7	13.1
909	1000.0	0.0	4.0	0.0	8.5	
910	1050.0	0.0	4.0	0.0	7.5	
911	1100.0	0.0	4.0	0.0	15.5	6.3
912	1150.0	0.0	4.0	0.0	19.3	13.7
913	1200.0	0.0	4.0	0.0	19.0	13.4
914	1250.0	0.0	4.0	0.0	19.2	14.1
915	1300.0	0.0	4.0	0.0	18.8	13.4
916	1350.0	0.0	4.0	0.0	18.1	12.6
917	1400.0	0.0	4.0	0.0	17.6	12.8
918	1450.0	0.0	4.0	0.0	16.9	12.2
919	1500.0	0.0	4.0	0.0	16.8	12.2
920	1550.0	0.0	4.0	0.0	16.4	11.9
921	1600.0	0.0	4.0	0.0	16.4	11.2
922	1650.0	0.0	4.0	0.0	16.3	9.4
923	1700.0	0.0	4.0	0.0	15.7	4.5
924	1750.0	0.0	4.0	0.0	15.4	5.6
925	1800.0	0.0	4.0	0.0	14.8	5.5
926	864.0	447.0	4.0	0.0	39.8	36.1
927	866.0	394.0	4.0	0.0	41.1	37.2
928	923.0	354.0	4.0	0.0	32.6	28.8
929	970.0	467.0	4.0	0.0	32.9	29.3

LAeq , dzień: wartość największa występuje w punkcie (700,650,4.0)  
i wynosi 63.4 dB(A)  
LAeq , noc: wartość największa występuje w punkcie (700,650,4.0)  
i wynosi 59.4 dB(A)

Koniec obliczeń