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HAŁAS PRZEMYSŁOWY i DROGOWY
PROGRAM SON2 WERSJA 4.0

DANE WEJŚCIOWE

Rodzaj obliczeń: Poziom hałasu równnoważnego

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

5. Rodzaj gruntu przeważającego: grunt porowaty, wskaźnik gruntu G = 1
6. Obszar nr 1 gruntu innej kategorii , o nazwie: - rodzaj gruntu : grunt twardy, wskaźnik gruntu G = 0

Współrzędne wierzchołków wielokąta obszaru ""

Lp	Współrzędne wierzchołków	
	x	y
	m	m
1	779.4	884.8
2	781.9	892.4
3	632.6	919.4
4	592.1	739.7
5	798.8	688.3
6	750.7	533.1
7	812.3	509.5
8	802.2	480.8
9	812.3	476.6
10	865.4	590.4
11	904.2	586.2
12	907.6	592.1
13	873.0	621.6
14	844.3	695.9
15	822.4	710.2
16	611.5	756.6
17	652.0	911.8
18	780.2	884.8

7. Punktowe źródła hałasu

Lp	Symbol	Współrzędne źródła			ht	Rodzaj źródła	LAW	tD	tN	Do
		x	y	z						
		m	m	m	m		dB(A)	h	h	dB
1	wd 1	649.1	761.2	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
2	wd 2	654.1	771.8	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
3	wd 3	654.5	782.8	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
4	wd 4	657.9	793.7	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
5	wd 5	658.3	803.8	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
6	wd 6	661.7	813.5	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
7	wd 7	661.7	823.7	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
8	wd 8	666.8	834.2	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
9	wd 9	665.9	845.6	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
10	wd 10	670.6	854.9	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
11	wd 11	670.1	866.3	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
12	wd 12	674.8	876.0	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
13	wd 13	675.2	886.9	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
14	wd 14	678.2	897.5	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
15	wd 15	693.3	751.5	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
16	wd 16	697.1	761.7	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
17	wd 17	697.1	773.5	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
18	wd 18	701.8	782.3	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
19	wd 19	700.9	792.9	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
20	wd 20	706.4	804.3	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
21	wd 21	705.2	814.8	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
22	wd 22	710.6	823.7	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
23	wd 23	710.6	835.5	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
24	wd 24	713.6	843.9	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
25	wd 25	713.2	856.6	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
26	wd 26	718.2	865.8	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
27	wd 27	717.8	876.0	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
28	wd 28	723.3	886.5	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
29	wd 29	735.9	744.4	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
30	wd 30	739.3	753.7	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
31	wd 31	739.7	764.6	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
32	wd 32	744.4	773.1	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
33	wd 33	743.1	785.7	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
34	wd 34	749.4	795.0	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
35	wd 35	748.6	805.9	7.0	0.0	wszechkier.	71.0	8.000	1.000	3

36	wd 36	752.4	814.4	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
37	wd 37	751.1	827.0	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
38	wd 38	756.2	836.3	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
39	wd 39	755.8	847.7	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
40	wd 40	760.4	856.6	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
41	wd 41	760.4	867.5	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
42	wd 42	763.8	876.0	7.0	0.0	wszechkier.	71.0	8.000	1.000	3
43	ws 1	666.8	908.0	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
44	ws 2	668.8	907.8	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
45	ws 3	670.3	907.1	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
46	ws 4	671.6	907.1	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
47	ws 5	673.5	906.5	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
48	ws 6	674.8	906.3	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
49	ws 7	676.1	906.3	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
50	ws 8	677.5	905.6	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
51	ws 9	679.0	905.4	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
52	ws 10	680.1	905.4	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
53	ws 11	681.2	905.2	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
54	ws 12	682.7	904.6	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
55	ws 13	683.8	904.5	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
56	ws 14	685.0	904.5	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
57	ws 15	685.9	904.1	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
58	ws 16	687.2	903.7	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
59	ws 17	688.7	903.3	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
60	ws 18	690.2	903.1	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
61	ws 19	710.8	897.7	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
62	ws 20	712.7	897.5	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
63	ws 21	713.8	897.3	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
64	ws 22	715.3	897.0	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
65	ws 23	716.8	896.8	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
66	ws 24	717.9	896.2	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
67	ws 25	719.3	896.0	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
68	ws 26	720.2	895.8	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
69	ws 27	721.3	895.6	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
70	ws 28	722.3	895.5	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
71	ws 29	723.8	895.1	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
72	ws 30	724.7	895.1	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
73	ws 31	725.8	894.7	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
74	ws 32	727.3	894.5	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
75	ws 33	728.8	894.1	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
76	ws 34	730.5	893.8	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
77	ws 35	731.3	893.6	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
78	ws 36	732.6	893.0	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
79	ws 37	753.2	887.9	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
80	ws 38	754.4	887.6	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
81	ws 39	756.0	887.6	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
82	ws 40	757.2	887.3	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
83	ws 41	758.3	886.8	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
84	ws 42	759.7	886.5	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
85	ws 43	761.1	886.5	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
86	ws 44	761.7	886.5	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
87	ws 45	762.8	885.9	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
88	ws 46	764.2	885.9	1.7	0.0	wszechkier.	89.0	8.000	1.000	3
89	ws 47	765.6	885.7	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
90	ws 48	767.0	885.4	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
91	ws 49	768.7	885.1	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
92	ws 50	770.1	884.8	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
93	ws 51	771.8	884.5	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
94	ws 52	772.9	884.5	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
95	ws 53	774.0	884.3	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
96	ws 54	775.7	883.7	3.0	0.0	wszechkier.	89.0	8.000	1.000	3
97	pp 1	631.9	768.5	1.5	0.0	wszechkier.	83.0	3.000		
98	pp 2	678.0	757.3	1.5	0.0	wszechkier.	83.0	3.000		
99	pp 3	719.6	747.2	1.5	0.0	wszechkier.	83.0	3.000		

8. 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	m	dBA	dBA	dB
1	RD1	911.0	585.4	1.0	0.0	857.0	609.8	1.0	0.0	91.8		
2	RD2	857.0	609.8	1.0	0.0	842.6	672.3	1.0	0.0	91.8		
3	RD3	842.6	672.3	1.0	0.0	812.3	700.9	1.0	0.0	91.8		
4	RD4	812.3	700.9	1.0	0.0	602.2	750.7	1.0	0.0	91.8		
5	RD5	602.2	750.7	1.0	0.0	641.9	916.9	1.0	0.0	91.8		
6	RD6	641.9	916.9	1.0	0.0	774.3	889.9	1.0	0.0	91.8		
7	RN1	903.4	587.9	1.0	0.0	870.5	604.8	1.0	0.0		92.5	
8	RN2	870.5	604.8	1.0	0.0	834.2	647.0	1.0	0.0		92.5	
9	RN3	834.2	647.0	1.0	0.0	808.1	693.3	1.0	0.0		92.5	
10	RN4	808.1	693.3	1.0	0.0	616.6	746.5	1.0	0.0		92.5	
11	RD`1	869.6	605.6	1.0	0.0	851.1	593.0	1.0	0.0	91.8		
12	RD`2	851.1	593.0	1.0	0.0	819.9	520.4	1.0	0.0	91.8		
13	RD`3	819.9	520.4	1.0	0.0	760.0	544.9	1.0	0.0	91.8		
14	RD`4	760.0	544.9	1.0	0.0	799.6	664.7	1.0	0.0	91.8		
15	RD`5	799.6	664.7	1.0	0.0	851.1	648.6	1.0	0.0	91.8		
16	RD`6	851.1	648.6	1.0	0.0	869.6	605.6	1.0	0.0	91.8		

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

9. 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
1	ap 1	813.0	560.5	822.5	558.3	819.7	545.3	807.9	550.4	0.0	10.0	0.0

9.1 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
		L _{Awew} dzień	dB(A)	96.0	96.0	96.0	96.0	96.0
		L _{Awew} noc	dB(A)	96.0	96.0	96.0	96.0	96.0
		Izolacyjność	dB(A)	40.0	40.0	40.0	40.0	40.0

L_{Awew} dzień - poziom dźwięku A wewnątrz budynku w przedziale 8 kolejnych najmniej korzystnych godzin dnia
L_{Awew} noc - poziom dźwięku A wewnątrz budynku w przedziale 1 najmniej korzystnej godziny nocy

10. Ekran - budynki

Lp	Symbol	Wia ta (W)	Współrzędne x,y wierzchołków ekranu[m]								ho	h1	ht	Współczynniki odbicia ścian nr 1 - 4
			x1	y1	x2	y2	x3	y3	x4	y4	m	m	m	
1	EK-B 1		664.7	908.0	692.1	901.6	662.8	750.9	636.6	756.2	0.0	6.5	0.0	1.0 0.8 1.0 0.8
2	EK-B 2		709.7	897.9	735.9	892.3	707.4	740.4	679.7	746.4	0.0	6.5	0.0	1.0 0.8 1.0 0.8
3	EK-B 3		751.3	888.2	777.9	882.2	749.4	733.7	721.7	738.2	0.0	6.5	0.0	1.0 0.8 1.0 0.8
4	EK-B 4		796.7	645.2	810.2	640.0	798.2	597.6	783.2	604.0	0.0	5.0	0.0	1.0 0.8 1.0 0.8
5	EK-B 5		833.0	634.0	846.9	629.5	835.3	596.8	822.9	603.2	0.0	5.0	0.0	1.0 0.8 1.0 0.8
6	EK-B 6		800.8	608.5	835.3	596.5	829.7	586.7	796.3	598.0	0.0	10.0	0.0	1.0 0.8 1.0 0.8
7	EK-B 7		797.0	597.6	822.9	588.6	808.3	550.4	784.3	557.9	0.0	10.0	0.0	1.0 0.8 1.0 0.8
8	EK-B 8		773.8	574.7	788.4	569.5	784.3	557.9	770.4	562.0	0.0	5.0	0.0	1.0 0.8 1.0 0.8

11. Obszary zieleni

Lp	Nazwa	Wyso- kość[m]	ht	Współrzędne wierzchołków wieloboków zieleni[m]							
				x	y	x	y	x	y	x	y
1	Las	18.0	0.0	528.0	1261.9	509.5	1195.2	537.3	1172.4	557.5	1021.5
				658.8	979.3	694.2	977.6	721.2	946.4	775.2	944.7
				923.6	878.1	919.4	857.8	958.2	841.0	957.4	713.6
				941.3	612.4	884.8	525.5	859.5	513.7	714.4	311.2
				790.3	262.3	1053.5	196.5	1056.0	1261.0	528.0	1262.7

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

Koniec danych

L_{Aeq} , pory dnia i nocy

Nr punktu	Współrzędne punktów			z	Wysokość terenu	Poziom dźwięku w porze	
	x	y				dnia	nocy
	m	m	m		m	dB(A)	dB(A)
1	0.0	1500.0	1.5	0.0	31.3	31.1	
2	50.0	1500.0	1.5	0.0	31.6	31.5	
3	100.0	1500.0	1.5	0.0	31.6	31.4	
4	150.0	1500.0	1.5	0.0	31.4	31.2	
5	200.0	1500.0	1.5	0.0	31.6	31.3	
6	250.0	1500.0	1.5	0.0	31.3	31.1	
7	300.0	1500.0	1.5	0.0	31.7	31.5	
8	350.0	1500.0	1.5	0.0	32.0	31.7	
9	400.0	1500.0	1.5	0.0	31.8	31.7	
10	450.0	1500.0	1.5	0.0	34.6	34.4	
11	500.0	1500.0	1.5	0.0	34.9	34.7	
12	550.0	1500.0	1.5	0.0	35.2	34.9	
13	600.0	1500.0	1.5	0.0	35.4	35.1	
14	650.0	1500.0	1.5	0.0	35.6	35.2	
15	700.0	1500.0	1.5	0.0	35.6	35.3	
16	750.0	1500.0	1.5	0.0	35.6	35.3	
17	800.0	1500.0	1.5	0.0	35.6	35.2	
18	850.0	1500.0	1.5	0.0	35.5	35.1	
19	900.0	1500.0	1.5	0.0	35.3	34.9	
20	950.0	1500.0	1.5	0.0	35.1	34.7	
21	1000.0	1500.0	1.5	0.0	34.8	34.4	
22	1050.0	1500.0	1.5	0.0	34.5	34.1	
23	1100.0	1500.0	1.5	0.0	34.1	33.7	
24	0.0	1450.0	1.5	0.0	31.7	31.5	
25	50.0	1450.0	1.5	0.0	32.1	31.9	
26	100.0	1450.0	1.5	0.0	32.5	32.3	
27	150.0	1450.0	1.5	0.0	32.7	32.4	
28	200.0	1450.0	1.5	0.0	32.3	32.1	
29	250.0	1450.0	1.5	0.0	32.5	32.2	
30	300.0	1450.0	1.5	0.0	32.0	31.7	
31	350.0	1450.0	1.5	0.0	32.8	32.5	
32	400.0	1450.0	1.5	0.0	31.5	31.1	
33	450.0	1450.0	1.5	0.0	34.9	34.7	
34	500.0	1450.0	1.5	0.0	35.6	35.4	
35	550.0	1450.0	1.5	0.0	35.9	35.7	
36	600.0	1450.0	1.5	0.0	36.2	35.9	
37	650.0	1450.0	1.5	0.0	36.4	36.1	

38	700.0	1450.0	1.5	0.0	36.5	36.1
39	750.0	1450.0	1.5	0.0	36.5	36.1
40	800.0	1450.0	1.5	0.0	36.4	36.1
41	850.0	1450.0	1.5	0.0	36.3	35.9
42	900.0	1450.0	1.5	0.0	36.1	35.7
43	950.0	1450.0	1.5	0.0	35.8	35.4
44	1000.0	1450.0	1.5	0.0	35.5	35.1
45	1050.0	1450.0	1.5	0.0	35.2	34.8
46	1100.0	1450.0	1.5	0.0	34.7	34.4
47	0.0	1400.0	1.5	0.0	32.1	31.9
48	50.0	1400.0	1.5	0.0	32.6	32.4
49	100.0	1400.0	1.5	0.0	33.0	32.8
50	150.0	1400.0	1.5	0.0	33.4	33.2
51	200.0	1400.0	1.5	0.0	33.8	33.5
52	250.0	1400.0	1.5	0.0	33.3	33.1
53	300.0	1400.0	1.5	0.0	33.4	33.2
54	350.0	1400.0	1.5	0.0	32.8	32.6
55	400.0	1400.0	1.5	0.0	34.7	34.5
56	450.0	1400.0	1.5	0.0	32.3	32.1
57	500.0	1400.0	1.5	0.0	36.4	36.2
58	550.0	1400.0	1.5	0.0	36.8	36.5
59	600.0	1400.0	1.5	0.0	37.1	36.8
60	650.0	1400.0	1.5	0.0	37.3	36.9
61	700.0	1400.0	1.5	0.0	37.3	37.0
62	750.0	1400.0	1.5	0.0	37.3	37.0
63	800.0	1400.0	1.5	0.0	37.3	37.0
64	850.0	1400.0	1.5	0.0	37.2	36.8
65	900.0	1400.0	1.5	0.0	36.9	36.5
66	950.0	1400.0	1.5	0.0	36.6	36.2
67	1000.0	1400.0	1.5	0.0	36.2	35.9
68	1050.0	1400.0	1.5	0.0	35.8	35.4
69	1100.0	1400.0	1.5	0.0	35.2	35.0
70	0.0	1350.0	1.5	0.0	32.5	32.4
71	50.0	1350.0	1.5	0.0	33.0	32.8
72	100.0	1350.0	1.5	0.0	33.5	33.3
73	150.0	1350.0	1.5	0.0	33.9	33.7
74	200.0	1350.0	1.5	0.0	34.4	34.2
75	250.0	1350.0	1.5	0.0	34.8	34.6
76	300.0	1350.0	1.5	0.0	34.4	34.1
77	350.0	1350.0	1.5	0.0	34.3	34.1
78	400.0	1350.0	1.5	0.0	34.0	33.8
79	450.0	1350.0	1.5	0.0	35.1	34.9
80	500.0	1350.0	1.5	0.0	37.2	37.0
81	550.0	1350.0	1.5	0.0	37.6	37.4
82	600.0	1350.0	1.5	0.0	38.0	37.7
83	650.0	1350.0	1.5	0.0	38.2	37.9
84	700.0	1350.0	1.5	0.0	38.3	38.0
85	750.0	1350.0	1.5	0.0	38.3	38.0
86	800.0	1350.0	1.5	0.0	38.2	37.9
87	850.0	1350.0	1.5	0.0	38.1	37.7
88	900.0	1350.0	1.5	0.0	37.8	37.4
89	950.0	1350.0	1.5	0.0	37.4	37.1
90	1000.0	1350.0	1.5	0.0	37.0	36.7
91	1050.0	1350.0	1.5	0.0	36.5	36.2
92	1100.0	1350.0	1.5	0.0	35.5	35.4
93	0.0	1300.0	1.5	0.0	33.0	32.8
94	50.0	1300.0	1.5	0.0	33.5	33.3
95	100.0	1300.0	1.5	0.0	33.9	33.7
96	150.0	1300.0	1.5	0.0	34.5	34.3
97	200.0	1300.0	1.5	0.0	35.0	34.8
98	250.0	1300.0	1.5	0.0	35.5	35.3
99	300.0	1300.0	1.5	0.0	36.0	35.8
100	350.0	1300.0	1.5	0.0	35.5	35.3
101	400.0	1300.0	1.5	0.0	35.2	35.0
102	450.0	1300.0	1.5	0.0	35.8	35.5
103	500.0	1300.0	1.5	0.0	29.2	28.7
104	550.0	1300.0	1.5	0.0	38.6	38.4
105	600.0	1300.0	1.5	0.0	39.0	38.7
106	650.0	1300.0	1.5	0.0	39.3	39.0
107	700.0	1300.0	1.5	0.0	39.4	39.1
108	750.0	1300.0	1.5	0.0	39.4	39.1
109	800.0	1300.0	1.5	0.0	39.3	39.0
110	850.0	1300.0	1.5	0.0	39.1	38.7
111	900.0	1300.0	1.5	0.0	38.7	38.4
112	950.0	1300.0	1.5	0.0	38.2	37.9
113	1000.0	1300.0	1.5	0.0	37.8	37.4
114	1050.0	1300.0	1.5	0.0	37.2	36.9
115	1100.0	1300.0	1.5	0.0	26.6	26.3
116	0.0	1250.0	1.5	0.0	33.5	33.3
117	50.0	1250.0	1.5	0.0	33.9	33.7
118	100.0	1250.0	1.5	0.0	34.4	34.2
119	150.0	1250.0	1.5	0.0	35.0	34.8
120	200.0	1250.0	1.5	0.0	35.5	35.3
121	250.0	1250.0	1.5	0.0	36.1	35.9
122	300.0	1250.0	1.5	0.0	36.7	36.5
123	350.0	1250.0	1.5	0.0	37.2	37.0
124	400.0	1250.0	1.5	0.0	36.8	36.6
125	450.0	1250.0	1.5	0.0	36.0	35.7
126	500.0	1250.0	1.5	0.0	38.4	38.3
127	550.0	1250.0	1.5	0.0	29.5	29.4
128	600.0	1250.0	1.5	0.0	30.0	29.8
129	650.0	1250.0	1.5	0.0	30.3	30.1
130	700.0	1250.0	1.5	0.0	30.5	30.3
131	750.0	1250.0	1.5	0.0	30.5	30.3
132	800.0	1250.0	1.5	0.0	30.3	30.1
133	850.0	1250.0	1.5	0.0	30.0	29.7
134	900.0	1250.0	1.5	0.0	29.6	29.3
135	950.0	1250.0	1.5	0.0	29.0	28.8

136	1000.0	1250.0	1.5	0.0	28.5	28.2
137	1050.0	1250.0	1.5	0.0	27.8	27.6
138	1100.0	1250.0	1.5	0.0	27.2	26.9
139	0.0	1200.0	1.5	0.0	34.0	33.8
140	50.0	1200.0	1.5	0.0	34.5	34.3
141	100.0	1200.0	1.5	0.0	35.0	34.8
142	150.0	1200.0	1.5	0.0	35.5	35.3
143	200.0	1200.0	1.5	0.0	36.1	35.9
144	250.0	1200.0	1.5	0.0	36.7	36.5
145	300.0	1200.0	1.5	0.0	37.3	37.1
146	350.0	1200.0	1.5	0.0	38.0	37.8
147	400.0	1200.0	1.5	0.0	38.7	38.5
148	450.0	1200.0	1.5	0.0	38.3	38.1
149	500.0	1200.0	1.5	0.0	37.5	37.2
150	550.0	1200.0	1.5	0.0	30.7	30.5
151	600.0	1200.0	1.5	0.0	31.2	31.0
152	650.0	1200.0	1.5	0.0	31.6	31.4
153	700.0	1200.0	1.5	0.0	31.9	31.7
154	750.0	1200.0	1.5	0.0	31.9	31.6
155	800.0	1200.0	1.5	0.0	31.6	31.4
156	850.0	1200.0	1.5	0.0	31.2	31.0
157	900.0	1200.0	1.5	0.0	30.6	30.4
158	950.0	1200.0	1.5	0.0	30.0	29.8
159	1000.0	1200.0	1.5	0.0	29.3	29.1
160	1050.0	1200.0	1.5	0.0	28.6	28.3
161	1100.0	1200.0	1.5	0.0	27.8	27.6
162	0.0	1150.0	1.5	0.0	34.7	34.5
163	50.0	1150.0	1.5	0.0	35.2	35.0
164	100.0	1150.0	1.5	0.0	35.7	35.5
165	150.0	1150.0	1.5	0.0	36.2	36.0
166	200.0	1150.0	1.5	0.0	36.7	36.5
167	250.0	1150.0	1.5	0.0	37.3	37.1
168	300.0	1150.0	1.5	0.0	38.0	37.8
169	350.0	1150.0	1.5	0.0	38.7	38.6
170	400.0	1150.0	1.5	0.0	39.5	39.3
171	450.0	1150.0	1.5	0.0	40.3	40.2
172	500.0	1150.0	1.5	0.0	40.0	39.8
173	550.0	1150.0	1.5	0.0	39.8	39.5
174	600.0	1150.0	1.5	0.0	32.7	32.5
175	650.0	1150.0	1.5	0.0	33.2	33.0
176	700.0	1150.0	1.5	0.0	33.5	33.3
177	750.0	1150.0	1.5	0.0	33.5	33.3
178	800.0	1150.0	1.5	0.0	33.1	32.9
179	850.0	1150.0	1.5	0.0	32.6	32.3
180	900.0	1150.0	1.5	0.0	31.8	31.6
181	950.0	1150.0	1.5	0.0	31.0	30.9
182	1000.0	1150.0	1.5	0.0	30.2	29.9
183	1050.0	1150.0	1.5	0.0	29.3	29.1
184	1100.0	1150.0	1.5	0.0	28.5	28.3
185	0.0	1100.0	1.5	0.0	35.0	34.7
186	50.0	1100.0	1.5	0.0	35.7	35.5
187	100.0	1100.0	1.5	0.0	36.3	36.2
188	150.0	1100.0	1.5	0.0	36.9	36.7
189	200.0	1100.0	1.5	0.0	37.5	37.3
190	250.0	1100.0	1.5	0.0	38.1	37.9
191	300.0	1100.0	1.5	0.0	38.8	38.6
192	350.0	1100.0	1.5	0.0	39.5	39.3
193	400.0	1100.0	1.5	0.0	40.4	40.2
194	450.0	1100.0	1.5	0.0	41.3	41.1
195	500.0	1100.0	1.5	0.0	42.3	42.2
196	550.0	1100.0	1.5	0.0	42.4	42.2
197	600.0	1100.0	1.5	0.0	34.3	34.1
198	650.0	1100.0	1.5	0.0	35.1	34.9
199	700.0	1100.0	1.5	0.0	35.5	35.3
200	750.0	1100.0	1.5	0.0	35.4	35.2
201	800.0	1100.0	1.5	0.0	34.9	34.7
202	850.0	1100.0	1.5	0.0	34.1	33.9
203	900.0	1100.0	1.5	0.0	33.1	32.9
204	950.0	1100.0	1.5	0.0	32.1	31.9
205	1000.0	1100.0	1.5	0.0	31.1	30.9
206	1050.0	1100.0	1.5	0.0	30.1	29.8
207	1100.0	1100.0	1.5	0.0	29.1	28.9
208	0.0	1050.0	1.5	0.0	33.5	33.0
209	50.0	1050.0	1.5	0.0	34.7	34.3
210	100.0	1050.0	1.5	0.0	35.9	35.6
211	150.0	1050.0	1.5	0.0	37.2	36.9
212	200.0	1050.0	1.5	0.0	38.2	38.0
213	250.0	1050.0	1.5	0.0	39.0	38.8
214	300.0	1050.0	1.5	0.0	39.7	39.5
215	350.0	1050.0	1.5	0.0	40.5	40.3
216	400.0	1050.0	1.5	0.0	41.3	41.2
217	450.0	1050.0	1.5	0.0	42.4	42.2
218	500.0	1050.0	1.5	0.0	43.6	43.4
219	550.0	1050.0	1.5	0.0	44.9	44.7
220	600.0	1050.0	1.5	0.0	45.9	45.7
221	650.0	1050.0	1.5	0.0	37.4	37.3
222	700.0	1050.0	1.5	0.0	38.0	37.9
223	750.0	1050.0	1.5	0.0	37.9	37.8
224	800.0	1050.0	1.5	0.0	37.1	36.9
225	850.0	1050.0	1.5	0.0	35.9	35.7
226	900.0	1050.0	1.5	0.0	34.5	34.4
227	950.0	1050.0	1.5	0.0	33.2	33.1
228	1000.0	1050.0	1.5	0.0	32.0	31.7
229	1050.0	1050.0	1.5	0.0	30.8	30.6
230	1100.0	1050.0	1.5	0.0	29.8	29.5
231	0.0	1000.0	1.5	0.0	31.5	30.7
232	50.0	1000.0	1.5	0.0	32.6	31.9
233	100.0	1000.0	1.5	0.0	33.8	33.2

234	150.0	1000.0	1.5	0.0	35.3	34.8
235	200.0	1000.0	1.5	0.0	36.5	36.1
236	250.0	1000.0	1.5	0.0	37.7	37.4
237	300.0	1000.0	1.5	0.0	39.6	39.4
238	350.0	1000.0	1.5	0.0	41.4	41.2
239	400.0	1000.0	1.5	0.0	42.6	42.4
240	450.0	1000.0	1.5	0.0	43.7	43.6
241	500.0	1000.0	1.5	0.0	45.0	44.8
242	550.0	1000.0	1.5	0.0	46.6	46.5
243	600.0	1000.0	1.5	0.0	48.7	48.5
244	650.0	1000.0	1.5	0.0	42.9	42.4
245	700.0	1000.0	1.5	0.0	41.8	41.7
246	750.0	1000.0	1.5	0.0	41.3	41.3
247	800.0	1000.0	1.5	0.0	39.9	39.8
248	850.0	1000.0	1.5	0.0	37.9	37.8
249	900.0	1000.0	1.5	0.0	36.0	35.8
250	950.0	1000.0	1.5	0.0	34.3	34.1
251	1000.0	1000.0	1.5	0.0	32.8	32.6
252	1050.0	1000.0	1.5	0.0	31.5	31.2
253	1100.0	1000.0	1.5	0.0	30.5	30.2
254	0.0	950.0	1.5	0.0	30.2	29.1
255	50.0	950.0	1.5	0.0	31.1	30.1
256	100.0	950.0	1.5	0.0	31.8	30.8
257	150.0	950.0	1.5	0.0	32.6	31.7
258	200.0	950.0	1.5	0.0	33.5	32.7
259	250.0	950.0	1.5	0.0	34.7	33.9
260	300.0	950.0	1.5	0.0	35.8	35.1
261	350.0	950.0	1.5	0.0	37.8	37.3
262	400.0	950.0	1.5	0.0	40.1	39.6
263	450.0	950.0	1.5	0.0	42.6	42.2
264	500.0	950.0	1.5	0.0	45.9	45.6
265	550.0	950.0	1.5	0.0	49.0	48.8
266	600.0	950.0	1.5	0.0	51.8	51.6
267	650.0	950.0	1.5	0.0	56.5	56.3
268	700.0	950.0	1.5	0.0	58.4	58.3
269	750.0	950.0	1.5	0.0	55.4	55.3
270	800.0	950.0	1.5	0.0	45.8	45.8
271	850.0	950.0	1.5	0.0	40.3	40.1
272	900.0	950.0	1.5	0.0	37.4	37.2
273	950.0	950.0	1.5	0.0	35.3	35.0
274	1000.0	950.0	1.5	0.0	33.5	33.3
275	1050.0	950.0	1.5	0.0	32.1	31.8
276	1100.0	950.0	1.5	0.0	31.3	31.0
277	0.0	900.0	1.5	0.0	29.0	27.7
278	50.0	900.0	1.5	0.0	29.7	28.5
279	100.0	900.0	1.5	0.0	30.3	29.1
280	150.0	900.0	1.5	0.0	31.0	29.9
281	200.0	900.0	1.5	0.0	31.8	30.7
282	250.0	900.0	1.5	0.0	32.7	31.6
283	300.0	900.0	1.5	0.0	33.6	32.6
284	350.0	900.0	1.5	0.0	34.7	33.8
285	400.0	900.0	1.5	0.0	35.7	34.8
286	450.0	900.0	1.5	0.0	37.2	36.2
287	500.0	900.0	1.5	0.0	39.2	38.2
288	550.0	900.0	1.5	0.0	42.1	41.0
289	600.0	900.0	1.5	0.0	48.6	47.0
290	650.0	900.0	1.5	0.0	56.8	51.2
291	700.0	900.0	1.5	0.0	69.7	69.4
292	750.0	900.0	1.5	0.0	71.4	71.2
293	800.0	900.0	1.5	0.0	61.3	61.3
294	850.0	900.0	1.5	0.0	52.4	52.3
295	900.0	900.0	1.5	0.0	39.5	38.9
296	950.0	900.0	1.5	0.0	36.1	35.9
297	1000.0	900.0	1.5	0.0	34.2	33.9
298	1050.0	900.0	1.5	0.0	32.6	32.4
299	1100.0	900.0	1.5	0.0	33.2	32.8
300	0.0	850.0	1.5	0.0	28.6	27.1
301	50.0	850.0	1.5	0.0	29.3	27.9
302	100.0	850.0	1.5	0.0	29.9	28.6
303	150.0	850.0	1.5	0.0	30.7	29.3
304	200.0	850.0	1.5	0.0	31.2	29.8
305	250.0	850.0	1.5	0.0	32.0	30.5
306	300.0	850.0	1.5	0.0	32.9	31.5
307	350.0	850.0	1.5	0.0	34.0	32.5
308	400.0	850.0	1.5	0.0	35.1	33.7
309	450.0	850.0	1.5	0.0	36.4	35.0
310	500.0	850.0	1.5	0.0	37.8	36.4
311	550.0	850.0	1.5	0.0	40.0	36.9
312	600.0	850.0	1.5	0.0	47.2	38.9
313	650.0	850.0	1.5	0.0	49.9	38.0
314	700.0	850.0	1.5	0.0	46.1	45.2
316	800.0	850.0	1.5	0.0	44.8	43.8
317	850.0	850.0	1.5	0.0	45.5	44.8
318	900.0	850.0	1.5	0.0	45.7	45.2
319	950.0	850.0	1.5	0.0	38.8	37.7
320	1000.0	850.0	1.5	0.0	35.5	35.2
321	1050.0	850.0	1.5	0.0	33.5	33.2
322	1100.0	850.0	1.5	0.0	35.2	35.0
323	0.0	800.0	1.5	0.0	27.8	25.8
324	50.0	800.0	1.5	0.0	28.8	27.1
325	100.0	800.0	1.5	0.0	29.5	27.7
326	150.0	800.0	1.5	0.0	30.2	28.4
327	200.0	800.0	1.5	0.0	30.9	29.2
328	250.0	800.0	1.5	0.0	31.8	30.0
329	300.0	800.0	1.5	0.0	32.7	31.0
330	350.0	800.0	1.5	0.0	33.8	32.2
331	400.0	800.0	1.5	0.0	34.8	33.0
332	450.0	800.0	1.5	0.0	36.3	34.5

333	500.0	800.0	1.5	0.0	38.2	36.4
334	550.0	800.0	1.5	0.0	40.5	38.1
335	600.0	800.0	1.5	0.0	52.2	38.9
339	800.0	800.0	1.5	0.0	44.2	42.2
340	850.0	800.0	1.5	0.0	43.2	41.4
341	900.0	800.0	1.5	0.0	41.7	40.2
342	950.0	800.0	1.5	0.0	40.2	38.7
343	1000.0	800.0	1.5	0.0	29.4	28.5
344	1050.0	800.0	1.5	0.0	29.0	28.1
345	1100.0	800.0	1.5	0.0	33.5	33.1
346	0.0	750.0	1.5	0.0	27.7	25.6
347	50.0	750.0	1.5	0.0	28.7	26.9
348	100.0	750.0	1.5	0.0	29.4	27.5
349	150.0	750.0	1.5	0.0	30.2	28.3
350	200.0	750.0	1.5	0.0	30.9	29.0
351	250.0	750.0	1.5	0.0	31.5	29.5
352	300.0	750.0	1.5	0.0	32.4	30.4
353	350.0	750.0	1.5	0.0	33.5	31.4
354	400.0	750.0	1.5	0.0	34.7	32.6
355	450.0	750.0	1.5	0.0	36.2	34.1
356	500.0	750.0	1.5	0.0	38.2	36.2
357	550.0	750.0	1.5	0.0	41.4	39.5
358	600.0	750.0	1.5	0.0	60.9	49.7
359	650.0	750.0	1.5	0.0	55.0	55.0
362	800.0	750.0	1.5	0.0	47.8	45.7
363	850.0	750.0	1.5	0.0	46.0	43.9
364	900.0	750.0	1.5	0.0	43.5	41.7
365	950.0	750.0	1.5	0.0	40.7	38.8
366	1000.0	750.0	1.5	0.0	28.6	27.0
367	1050.0	750.0	1.5	0.0	27.4	26.0
368	1100.0	750.0	1.5	0.0	30.8	29.8
369	0.0	700.0	1.5	0.0	27.5	25.4
370	50.0	700.0	1.5	0.0	28.2	26.1
371	100.0	700.0	1.5	0.0	29.1	27.1
372	150.0	700.0	1.5	0.0	29.8	27.8
373	200.0	700.0	1.5	0.0	30.8	28.6
374	250.0	700.0	1.5	0.0	31.6	29.5
375	300.0	700.0	1.5	0.0	32.5	30.5
376	350.0	700.0	1.5	0.0	33.5	31.4
377	400.0	700.0	1.5	0.0	34.7	32.5
378	450.0	700.0	1.5	0.0	36.3	33.9
379	500.0	700.0	1.5	0.0	38.0	35.6
380	550.0	700.0	1.5	0.0	40.4	37.5
381	600.0	700.0	1.5	0.0	43.6	40.3
382	650.0	700.0	1.5	0.0	46.0	44.9
383	700.0	700.0	1.5	0.0	48.8	48.7
384	750.0	700.0	1.5	0.0	54.1	56.6
385	800.0	700.0	1.5	0.0	61.8	61.4
386	850.0	700.0	1.5	0.0	55.8	53.0
387	900.0	700.0	1.5	0.0	46.2	43.8
388	950.0	700.0	1.5	0.0	42.5	40.7
389	1000.0	700.0	1.5	0.0	29.9	27.6
390	1050.0	700.0	1.5	0.0	27.9	25.2
391	1100.0	700.0	1.5	0.0	30.2	28.0
392	0.0	650.0	1.5	0.0	27.2	24.6
393	50.0	650.0	1.5	0.0	27.9	25.3
394	100.0	650.0	1.5	0.0	28.5	26.1
395	150.0	650.0	1.5	0.0	29.8	27.4
396	200.0	650.0	1.5	0.0	30.5	27.9
397	250.0	650.0	1.5	0.0	31.4	28.7
398	300.0	650.0	1.5	0.0	32.3	29.6
399	350.0	650.0	1.5	0.0	33.1	30.4
400	400.0	650.0	1.5	0.0	34.2	31.3
401	450.0	650.0	1.5	0.0	35.6	32.7
402	500.0	650.0	1.5	0.0	37.4	34.2
403	550.0	650.0	1.5	0.0	38.9	35.4
404	600.0	650.0	1.5	0.0	40.1	36.7
405	650.0	650.0	1.5	0.0	41.2	38.5
406	700.0	650.0	1.5	0.0	43.0	40.4
407	750.0	650.0	1.5	0.0	47.3	44.0
408	800.0	650.0	1.5	0.0	63.0	56.8
409	850.0	650.0	1.5	0.0	72.5	60.8
410	900.0	650.0	1.5	0.0	50.1	47.5
411	950.0	650.0	1.5	0.0	34.4	30.9
412	1000.0	650.0	1.5	0.0	31.0	27.4
413	1050.0	650.0	1.5	0.0	28.7	25.4
414	1100.0	650.0	1.5	0.0	30.6	27.7
415	0.0	600.0	1.5	0.0	27.1	24.0
416	50.0	600.0	1.5	0.0	27.8	25.0
417	100.0	600.0	1.5	0.0	28.4	25.5
418	150.0	600.0	1.5	0.0	29.1	26.2
419	200.0	600.0	1.5	0.0	30.2	27.5
420	250.0	600.0	1.5	0.0	30.8	28.1
421	300.0	600.0	1.5	0.0	31.7	28.8
422	350.0	600.0	1.5	0.0	32.8	30.0
423	400.0	600.0	1.5	0.0	33.8	30.9
424	450.0	600.0	1.5	0.0	34.9	31.6
425	500.0	600.0	1.5	0.0	36.2	32.5
426	550.0	600.0	1.5	0.0	37.4	33.6
427	600.0	600.0	1.5	0.0	38.5	34.9
428	650.0	600.0	1.5	0.0	40.0	36.1
429	700.0	600.0	1.5	0.0	42.2	37.5
430	750.0	600.0	1.5	0.0	48.4	40.5
432	850.0	600.0	1.5	0.0	66.8	59.4
433	900.0	600.0	1.5	0.0	61.2	62.0
434	950.0	600.0	1.5	0.0	38.1	34.4
435	1000.0	600.0	1.5	0.0	32.2	29.5
436	1050.0	600.0	1.5	0.0	29.6	26.9

437	1100.0	600.0	1.5	0.0	31.3	28.3
438	0.0	550.0	1.5	0.0	26.8	23.7
439	50.0	550.0	1.5	0.0	27.5	24.5
440	100.0	550.0	1.5	0.0	28.3	24.8
441	150.0	550.0	1.5	0.0	29.0	25.8
442	200.0	550.0	1.5	0.0	29.8	26.5
443	250.0	550.0	1.5	0.0	30.5	27.2
444	300.0	550.0	1.5	0.0	31.1	27.9
445	350.0	550.0	1.5	0.0	32.4	28.8
446	400.0	550.0	1.5	0.0	33.3	29.8
447	450.0	550.0	1.5	0.0	34.3	30.6
448	500.0	550.0	1.5	0.0	35.5	31.5
449	550.0	550.0	1.5	0.0	36.4	31.6
450	600.0	550.0	1.5	0.0	37.7	33.2
451	650.0	550.0	1.5	0.0	39.3	34.6
452	700.0	550.0	1.5	0.0	42.4	35.9
453	750.0	550.0	1.5	0.0	55.6	38.8
454	800.0	550.0	1.5	0.0	59.1	46.7
455	850.0	550.0	1.5	0.0	58.2	49.0
456	900.0	550.0	1.5	0.0	48.6	46.0
457	950.0	550.0	1.5	0.0	35.2	32.8
458	1000.0	550.0	1.5	0.0	32.5	30.1
459	1050.0	550.0	1.5	0.0	30.2	29.0
460	1100.0	550.0	1.5	0.0	31.2	28.9
461	0.0	500.0	1.5	0.0	26.5	23.3
462	50.0	500.0	1.5	0.0	27.3	24.1
463	100.0	500.0	1.5	0.0	28.2	24.9
464	150.0	500.0	1.5	0.0	28.7	25.6
465	200.0	500.0	1.5	0.0	29.3	25.9
466	250.0	500.0	1.5	0.0	29.9	25.9
467	300.0	500.0	1.5	0.0	30.7	26.5
468	350.0	500.0	1.5	0.0	31.5	27.4
469	400.0	500.0	1.5	0.0	32.5	27.8
470	450.0	500.0	1.5	0.0	33.4	28.6
471	500.0	500.0	1.5	0.0	34.5	29.3
472	550.0	500.0	1.5	0.0	35.7	30.9
473	600.0	500.0	1.5	0.0	37.0	32.1
474	650.0	500.0	1.5	0.0	38.6	33.4
475	700.0	500.0	1.5	0.0	41.5	33.4
476	750.0	500.0	1.5	0.0	46.8	33.9
477	800.0	500.0	1.5	0.0	52.7	41.8
478	850.0	500.0	1.5	0.0	49.4	40.5
479	900.0	500.0	1.5	0.0	34.6	29.7
480	950.0	500.0	1.5	0.0	32.5	29.4
481	1000.0	500.0	1.5	0.0	31.3	28.8
482	1050.0	500.0	1.5	0.0	29.1	26.7
483	1100.0	500.0	1.5	0.0	31.2	28.0
484	0.0	450.0	1.5	0.0	26.2	22.7
485	50.0	450.0	1.5	0.0	26.8	23.2
486	100.0	450.0	1.5	0.0	27.5	23.9
487	150.0	450.0	1.5	0.0	28.3	24.0
488	200.0	450.0	1.5	0.0	28.8	24.5
489	250.0	450.0	1.5	0.0	29.5	25.1
490	300.0	450.0	1.5	0.0	30.3	25.9
491	350.0	450.0	1.5	0.0	31.0	26.5
492	400.0	450.0	1.5	0.0	32.1	27.1
493	450.0	450.0	1.5	0.0	32.7	27.9
494	500.0	450.0	1.5	0.0	33.7	28.8
495	550.0	450.0	1.5	0.0	34.9	30.6
496	600.0	450.0	1.5	0.0	36.0	31.1
497	650.0	450.0	1.5	0.0	37.4	31.6
498	700.0	450.0	1.5	0.0	39.3	32.1
499	750.0	450.0	1.5	0.0	41.6	32.8
500	800.0	450.0	1.5	0.0	45.2	36.6
501	850.0	450.0	1.5	0.0	33.2	26.4
502	900.0	450.0	1.5	0.0	31.8	26.1
503	950.0	450.0	1.5	0.0	30.4	26.4
504	1000.0	450.0	1.5	0.0	29.2	26.1
505	1050.0	450.0	1.5	0.0	28.4	25.4
506	1100.0	450.0	1.5	0.0	28.2	25.7
507	0.0	400.0	1.5	0.0	25.5	21.8
508	50.0	400.0	1.5	0.0	26.2	22.0
509	100.0	400.0	1.5	0.0	27.1	22.5
510	150.0	400.0	1.5	0.0	27.8	23.3
511	200.0	400.0	1.5	0.0	28.5	23.9
512	250.0	400.0	1.5	0.0	29.1	24.6
513	300.0	400.0	1.5	0.0	29.7	25.1
514	350.0	400.0	1.5	0.0	30.5	25.7
515	400.0	400.0	1.5	0.0	31.3	26.4
516	450.0	400.0	1.5	0.0	32.1	27.4
517	500.0	400.0	1.5	0.0	33.3	28.9
518	550.0	400.0	1.5	0.0	34.1	29.6
519	600.0	400.0	1.5	0.0	35.1	30.0
520	650.0	400.0	1.5	0.0	35.8	30.5
521	700.0	400.0	1.5	0.0	37.5	30.2
522	750.0	400.0	1.5	0.0	39.0	31.2
523	800.0	400.0	1.5	0.0	30.0	23.2
524	850.0	400.0	1.5	0.0	29.8	23.7
525	900.0	400.0	1.5	0.0	28.9	24.1
526	950.0	400.0	1.5	0.0	28.7	23.5
527	1000.0	400.0	1.5	0.0	27.7	24.5
528	1050.0	400.0	1.5	0.0	26.8	24.1
529	1100.0	400.0	1.5	0.0	26.4	23.5
530	0.0	350.0	1.5	0.0	25.4	20.7
531	50.0	350.0	1.5	0.0	26.0	21.3
532	100.0	350.0	1.5	0.0	26.9	21.8
533	150.0	350.0	1.5	0.0	27.3	22.6
534	200.0	350.0	1.5	0.0	27.9	23.3

535	250.0	350.0	1.5	0.0	28.3	23.8
536	300.0	350.0	1.5	0.0	29.3	24.6
537	350.0	350.0	1.5	0.0	30.0	25.7
538	400.0	350.0	1.5	0.0	30.7	26.3
539	450.0	350.0	1.5	0.0	31.6	27.1
540	500.0	350.0	1.5	0.0	32.6	28.0
541	550.0	350.0	1.5	0.0	33.4	28.6
542	600.0	350.0	1.5	0.0	34.0	28.7
543	650.0	350.0	1.5	0.0	35.4	29.3
544	700.0	350.0	1.5	0.0	36.6	29.7
545	750.0	350.0	1.5	0.0	28.2	21.3
546	800.0	350.0	1.5	0.0	27.7	21.0
547	850.0	350.0	1.5	0.0	27.5	20.4
548	900.0	350.0	1.5	0.0	27.1	22.0
549	950.0	350.0	1.5	0.0	26.5	21.3
550	1000.0	350.0	1.5	0.0	26.5	22.4
551	1050.0	350.0	1.5	0.0	25.6	22.6
552	1100.0	350.0	1.5	0.0	25.4	23.0
553	0.0	300.0	1.5	0.0	24.9	20.3
554	50.0	300.0	1.5	0.0	25.8	20.9
555	100.0	300.0	1.5	0.0	26.3	21.1
556	150.0	300.0	1.5	0.0	26.6	22.0
557	200.0	300.0	1.5	0.0	27.2	22.7
558	250.0	300.0	1.5	0.0	28.0	23.9
559	300.0	300.0	1.5	0.0	28.9	24.6
560	350.0	300.0	1.5	0.0	29.6	25.1
561	400.0	300.0	1.5	0.0	30.3	25.9
562	450.0	300.0	1.5	0.0	31.3	26.8
563	500.0	300.0	1.5	0.0	31.8	26.8
564	550.0	300.0	1.5	0.0	32.3	27.6
565	600.0	300.0	1.5	0.0	33.4	28.4
566	650.0	300.0	1.5	0.0	34.9	28.9
567	700.0	300.0	1.5	0.0	35.2	28.3
568	750.0	300.0	1.5	0.0	30.9	23.6
569	800.0	300.0	1.5	0.0	25.9	19.4
570	850.0	300.0	1.5	0.0	25.1	18.6
571	900.0	300.0	1.5	0.0	25.4	19.4
572	950.0	300.0	1.5	0.0	25.3	20.8
573	1000.0	300.0	1.5	0.0	25.1	20.5
574	1050.0	300.0	1.5	0.0	24.5	21.2
575	1100.0	300.0	1.5	0.0	24.3	21.7
576	0.0	250.0	1.5	0.0	24.7	20.0
577	50.0	250.0	1.5	0.0	25.1	20.4
578	100.0	250.0	1.5	0.0	25.5	20.9
579	150.0	250.0	1.5	0.0	26.2	21.3
580	200.0	250.0	1.5	0.0	26.9	21.9
581	250.0	250.0	1.5	0.0	27.7	23.4
582	300.0	250.0	1.5	0.0	28.4	23.5
583	350.0	250.0	1.5	0.0	29.0	24.3
584	400.0	250.0	1.5	0.0	29.8	25.2
585	450.0	250.0	1.5	0.0	30.3	25.7
586	500.0	250.0	1.5	0.0	31.0	26.4
587	550.0	250.0	1.5	0.0	31.6	26.9
588	600.0	250.0	1.5	0.0	33.4	27.3
589	650.0	250.0	1.5	0.0	33.6	27.8
590	700.0	250.0	1.5	0.0	32.7	26.5
591	750.0	250.0	1.5	0.0	28.4	21.6
592	800.0	250.0	1.5	0.0	25.4	19.2
593	850.0	250.0	1.5	0.0	23.5	17.1
594	900.0	250.0	1.5	0.0	24.0	18.6
595	950.0	250.0	1.5	0.0	24.1	19.2
596	1000.0	250.0	1.5	0.0	23.4	19.2
597	1050.0	250.0	1.5	0.0	23.4	19.7
598	1100.0	250.0	1.5	0.0	23.1	19.8
599	0.0	200.0	1.5	0.0	24.3	19.8
600	50.0	200.0	1.5	0.0	24.8	20.1
601	100.0	200.0	1.5	0.0	25.3	20.5
602	150.0	200.0	1.5	0.0	26.1	21.5
603	200.0	200.0	1.5	0.0	26.7	22.1
604	250.0	200.0	1.5	0.0	27.2	22.5
605	300.0	200.0	1.5	0.0	27.9	22.7
606	350.0	200.0	1.5	0.0	28.5	23.6
607	400.0	200.0	1.5	0.0	29.1	24.3
608	450.0	200.0	1.5	0.0	29.7	24.9
609	500.0	200.0	1.5	0.0	30.3	25.4
610	550.0	200.0	1.5	0.0	31.6	25.9
611	600.0	200.0	1.5	0.0	32.6	26.6
612	650.0	200.0	1.5	0.0	32.7	26.8
613	700.0	200.0	1.5	0.0	30.2	24.5
614	750.0	200.0	1.5	0.0	27.0	19.8
615	800.0	200.0	1.5	0.0	24.0	19.0
616	850.0	200.0	1.5	0.0	22.6	16.2
617	900.0	200.0	1.5	0.0	22.9	17.2
618	950.0	200.0	1.5	0.0	22.7	16.9
619	1000.0	200.0	1.5	0.0	22.7	18.4
620	1050.0	200.0	1.5	0.0	22.5	18.0
621	1100.0	200.0	1.5	0.0	22.2	18.7
622	0.0	150.0	1.5	0.0	24.0	19.3
623	50.0	150.0	1.5	0.0	24.6	19.8
624	100.0	150.0	1.5	0.0	25.3	20.9
625	150.0	150.0	1.5	0.0	25.8	20.9
626	200.0	150.0	1.5	0.0	26.2	21.6
627	250.0	150.0	1.5	0.0	26.8	21.6
628	300.0	150.0	1.5	0.0	27.3	21.9
629	350.0	150.0	1.5	0.0	27.8	22.5
630	400.0	150.0	1.5	0.0	28.6	23.5
631	450.0	150.0	1.5	0.0	29.3	23.9
632	500.0	150.0	1.5	0.0	30.1	25.0

633	550.0	150.0	1.5	0.0	31.3	25.5
634	600.0	150.0	1.5	0.0	31.5	25.9
635	650.0	150.0	1.5	0.0	31.0	24.9
636	700.0	150.0	1.5	0.0	28.3	22.7
637	750.0	150.0	1.5	0.0	25.4	19.2
638	800.0	150.0	1.5	0.0	23.2	18.3
639	850.0	150.0	1.5	0.0	22.3	15.3
640	900.0	150.0	1.5	0.0	21.4	16.1
641	950.0	150.0	1.5	0.0	21.5	16.0
642	1000.0	150.0	1.5	0.0	22.0	17.2
643	1050.0	150.0	1.5	0.0	21.0	17.1
644	1100.0	150.0	1.5	0.0	21.2	17.2
645	0.0	100.0	1.5	0.0	24.0	19.7
646	50.0	100.0	1.5	0.0	24.6	20.0
647	100.0	100.0	1.5	0.0	25.0	20.3
648	150.0	100.0	1.5	0.0	25.4	20.8
649	200.0	100.0	1.5	0.0	26.0	21.0
650	250.0	100.0	1.5	0.0	26.4	20.8
651	300.0	100.0	1.5	0.0	26.8	21.5
652	350.0	100.0	1.5	0.0	27.5	22.5
653	400.0	100.0	1.5	0.0	28.1	22.9
654	450.0	100.0	1.5	0.0	28.8	23.4
655	500.0	100.0	1.5	0.0	29.9	23.8
656	550.0	100.0	1.5	0.0	30.5	24.3
657	600.0	100.0	1.5	0.0	30.6	24.6
658	650.0	100.0	1.5	0.0	29.3	24.1
659	700.0	100.0	1.5	0.0	26.7	21.3
660	750.0	100.0	1.5	0.0	24.3	18.1
661	800.0	100.0	1.5	0.0	22.3	17.6
662	850.0	100.0	1.5	0.0	21.3	14.3
663	900.0	100.0	1.5	0.0	20.5	15.2
664	950.0	100.0	1.5	0.0	20.5	15.0
665	1000.0	100.0	1.5	0.0	20.4	16.3
666	1050.0	100.0	1.5	0.0	20.7	16.5
667	1100.0	100.0	1.5	0.0	20.4	16.1
668	0.0	50.0	1.5	0.0	23.8	19.2
669	50.0	50.0	1.5	0.0	24.2	19.6
670	100.0	50.0	1.5	0.0	24.7	19.7
671	150.0	50.0	1.5	0.0	25.0	20.2
672	200.0	50.0	1.5	0.0	25.7	20.1
673	250.0	50.0	1.5	0.0	26.0	20.6
674	300.0	50.0	1.5	0.0	26.5	21.1
675	350.0	50.0	1.5	0.0	27.2	22.1
676	400.0	50.0	1.5	0.0	27.6	22.4
677	450.0	50.0	1.5	0.0	28.7	22.9
678	500.0	50.0	1.5	0.0	29.4	23.2
679	550.0	50.0	1.5	0.0	29.4	23.6
680	600.0	50.0	1.5	0.0	29.2	23.8
681	650.0	50.0	1.5	0.0	27.8	21.9
682	700.0	50.0	1.5	0.0	25.3	19.1
683	750.0	50.0	1.5	0.0	23.3	17.1
684	800.0	50.0	1.5	0.0	21.6	17.1
685	850.0	50.0	1.5	0.0	20.5	13.3
686	900.0	50.0	1.5	0.0	19.6	13.0
687	950.0	50.0	1.5	0.0	19.5	14.8
688	1000.0	50.0	1.5	0.0	19.5	14.1
689	1050.0	50.0	1.5	0.0	20.0	15.3
690	1100.0	50.0	1.5	0.0	19.5	15.3
691	0.0	0.0	1.5	0.0	23.5	18.9
692	50.0	0.0	1.5	0.0	23.9	19.0
693	100.0	0.0	1.5	0.0	24.2	18.6
694	150.0	0.0	1.5	0.0	25.0	19.2
695	200.0	0.0	1.5	0.0	25.2	19.8
696	250.0	0.0	1.5	0.0	25.6	20.3
697	300.0	0.0	1.5	0.0	26.3	21.4
698	350.0	0.0	1.5	0.0	27.0	21.5
699	400.0	0.0	1.5	0.0	27.7	22.0
700	450.0	0.0	1.5	0.0	28.3	22.4
701	500.0	0.0	1.5	0.0	28.7	22.5
702	550.0	0.0	1.5	0.0	28.9	22.8
703	600.0	0.0	1.5	0.0	27.7	21.8
704	650.0	0.0	1.5	0.0	26.5	20.8
705	700.0	0.0	1.5	0.0	24.2	17.9
706	750.0	0.0	1.5	0.0	22.4	16.1
707	800.0	0.0	1.5	0.0	20.9	16.4
708	850.0	0.0	1.5	0.0	19.9	12.5
709	900.0	0.0	1.5	0.0	18.5	12.0
710	950.0	0.0	1.5	0.0	18.6	13.4
711	1000.0	0.0	1.5	0.0	18.7	13.2
712	1050.0	0.0	1.5	0.0	19.1	14.5
713	1100.0	0.0	1.5	0.0	18.7	14.7
714	54.0	641.0	4.0	0.0	32.8	30.7
715	589.0	1263.0	4.0	0.0	44.6	44.3
716	1059.0	613.0	4.0	0.0	37.4	34.2
717	554.0	108.0	4.0	0.0	35.4	29.5
718	175.0	1264.0	4.0	0.0	39.9	39.8
719	874.0	1261.0	4.0	0.0	34.6	34.3

LAeq , dzień: wartość największa występuje w punkcie (850,650,1.5)
i wynosi 72.5 dB(A)
LAeq , noc: wartość największa występuje w punkcie (750,900,1.5)
i wynosi 71.2 dB(A)

Koniec obliczeń