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HAŁAS PRZEMYSŁOWY i DROGOWY
PROGRAM SON2 WERSJA 5.424

Właściciel licencji: NOVUM PROJEKT Norbert Piróg
ul. Planetarna 21C/4, Zalasewo 62-020 Swarzędz
Licencja nr NP/62020/Spd/21 z dnia 14.05.2021

DANE WEJSCIOWE

Rodzaj obliczeń: Poziom hałasu równoważnego

1. Nazwa projektu: Bez nazwy
2. Temperatura powietrza [st C.]= 20
3. Wilgotność względna powietrza [%]= 70
4. Tło akustyczne dB(A):
Pora dnia : 0.0
Pora nocy : 0.0
5. Rodzaj gruntu : grunt mieszany, wskaźnik gruntu G = 0.50

6. Punktowe źródła hałasu

Lp	Symbol	Współrzędne źródła x	y	z	ht	Rodzaj źródła	LAW dB(A)	tD h	tN h	Do dB
1	F 1	395.8	232.7	11.5	0.0	wszechkier.	80.0	8.000		
2	F 2	385.1	235.5	11.5	0.0	wszechkier.	80.0	8.000		
3	F 3	371.9	237.9	11.5	0.0	wszechkier.	80.0	8.000		
4	F 4	361.0	240.7	11.5	0.0	wszechkier.	80.0	8.000		
5	F 5	351.1	242.8	11.5	0.0	wszechkier.	80.0	8.000		
6	F 6	396.5	255.8	11.5	0.0	wszechkier.	80.0	8.000		
7	F 7	380.7	259.4	11.5	0.0	wszechkier.	80.0	8.000		
8	F 8	364.1	263.3	11.5	0.0	wszechkier.	80.0	8.000		

7. Liniowe źródła hałasu

Lp	Symbol	Początek x1	y1	z1	h1t	Koniec x2	y2	z2	h2t	LAW 8hD dBA	LAW 1hN dBA	D0 dB
		m	m	m	m	m	m	m	m			
1	T1	385.6	436.0	0.0	0.0	383.3	424.6	0.5	0.0	62.4		
2	T2	383.3	424.6	0.0	0.0	380.4	411.1	0.5	0.0	63.2		
3	T3	380.4	411.1	0.0	0.0	376.5	395.8	0.5	0.0	63.7		
4	T4	376.5	395.8	0.0	0.0	373.4	378.9	0.5	0.0	64.1		
5	T5	373.4	378.9	0.0	0.0	373.7	372.1	0.5	0.0	62.3		
6	T6	373.7	372.1	0.0	0.0	391.6	369.8	0.5	0.0	69.0		
7	T7	391.6	369.8	0.0	0.0	394.7	355.2	0.5	0.0	66.0		
8	T8	394.7	355.2	0.0	0.0	391.3	338.6	0.5	0.0	66.6		
9	T9	391.3	338.6	0.0	0.0	386.9	324.1	0.5	0.0	66.1		
10	T10	386.9	324.1	0.0	0.0	384.1	307.5	0.5	0.0	71.4		
11	T11	384.1	307.5	0.0	0.0	381.2	285.1	0.5	0.0	71.9		
12	T12	381.2	285.1	0.0	0.0	392.6	282.8	0.5	0.0	71.0		
13	T13	399.1	356.0	0.0	0.0	403.3	372.9	0.5	0.0	66.7		
14	T14	403.3	372.9	0.0	0.0	408.0	390.3	0.5	0.0	66.8		
15	T15	408.0	390.3	0.0	0.0	411.9	406.1	0.5	0.0	66.4		
16	T16	411.9	406.1	0.0	0.0	414.7	418.9	0.5	0.0	65.5		
17	T17	414.7	418.9	0.0	0.0	418.6	434.7	0.5	0.0	66.4		
18	T18	418.6	434.7	0.0	0.0	423.3	451.9	0.5	0.0	66.8		
19	T19	365.6	309.3	0.0	0.0	377.1	307.2	0.5	0.0	64.9		
20	MW1	377.1	307.2	0.0	0.0	373.4	292.7	0.5	0.0	80.0		
21	MW2	373.4	292.7	0.0	0.0	393.9	290.1	0.5	0.0	81.4		
22	MW3	393.9	290.1	0.0	0.0	389.3	273.4	0.5	0.0	80.6		
23	MW4	389.3	273.4	0.0	0.0	375.0	276.0	0.5	0.0	79.9		

z - wysokość źródła nad gruntem ; ht - wysokość gruntu względem płaszczyzny odniesienia
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 - równowazny poziom mocy akustycznej źródła w przedziale 1 najmniej korzystnej godziny nocy

8. Ekrany - budynki

Lp	Symbol	Wia (W)	Współrzędne x,y wierzchołków ekranu[m] x1	y1	x2	y2	x3	y3	x4	y4	ho m	h1 m	ht m	Współczynniki odbicia scian nr 1 - 4
1	HALA ISTNIEJĄCA		341.6	231.8	400.8	218.5	410.2	262.9	351.7	276.2	0.0	11.5	0.0	1.0 1.0 1.0 1.0
2	BIUROWIEC		397.7	408.6	399.3	418.7	409.8	416.8	408.2	406.7	0.0	9.0	0.0	1.0 1.0 1.0 0.8
3	BIUROWIEC KONTENEROW		368.2	282.3	369.3	287.7	354.7	290.3	353.7	285.1	0.0	6.7	0.0	1.0 0.8 1.0 1.0
4	BIUROWIEC KONTERENOW		362.8	289.8	364.1	295.0	356.0	296.6	354.7	291.1	0.0	6.7	0.0	1.0 1.0 0.0 1.0
5	NAMIOTY		411.3	267.0	417.3	297.9	402.3	301.5	395.2	270.3	0.0	7.0	0.0	1.0 1.0 1.0 0.8
6	HALA PROJEKT. 1		378.9	331.9	381.7	345.1	367.7	348.0	365.4	334.5	0.0	8.0	0.0	0.8 1.0 1.0 1.0
7	HALA PROJEKT. 2		375.8	315.3	378.4	329.3	364.6	332.7	360.7	318.4	0.0	8.0	0.0	0.8 1.0 1.0 1.0
8	ISTNIEJĄCY BUD. MIES		396.8	409.3	398.1	418.4	387.4	420.4	385.6	411.1	0.0	9.0	0.0	1.0 0.8 1.0 0.8

Koniec danych

LAeq , dzień

0	10	20	30	40
50	60	70	80	90
100	110	120	130	140
150	160	170	180	190
200	210	220	230	240
250	260	270	280	290
300	310	320	330	340
350	360	370	380	390
400	410	420	430	440
450	460	470	480	490
500	510	520	530	540
550	560	570	580	590

	600	610	620	630	640
	650	660	670	680	690
	700	710	720	730	740
	750	760	770		
520	22.4	22.8	23.0	23.2	23.3
	23.3	23.5	23.6	23.8	23.9
	24.2	24.4	24.6	24.7	24.9
	24.7	24.8	25.0	25.1	25.2
	24.9	24.7	24.6	24.7	24.8
	24.9	25.0	24.8	24.9	25.1
	25.5	25.9	26.1	26.4	26.6
	26.8	26.8	27.1	27.3	26.6
	26.1	27.0	26.2	26.7	27.3
	27.2	27.1	27.8	27.4	27.7
	27.3	27.1	27.0	26.5	26.3
	25.7	25.4	25.1	24.8	24.2
	24.0	23.8	23.5	23.3	23.1
	22.9	22.7	22.5	22.3	22.1
	21.9	21.6	21.4	21.2	21.0
	20.8	20.6	20.4		
510	22.5	22.7	23.1	23.3	23.5
	23.6	23.8	23.8	23.9	24.1
	24.4	24.6	24.8	24.9	25.1
	25.3	25.1	25.2	25.4	25.5
	25.6	25.3	25.0	25.0	25.1
	25.2	25.3	25.2	25.2	25.4
	25.9	26.1	26.2	26.8	26.9
	27.2	27.6	27.5	27.8	27.0
	26.6	27.1	26.3	27.5	27.9
	27.6	27.8	28.1	28.2	27.7
	27.6	27.4	27.0	26.8	26.2
	25.9	25.5	25.2	24.6	24.4
	24.2	23.9	23.7	23.5	23.3
	23.1	22.9	22.6	22.4	22.2
	22.0	21.8	21.6	21.3	21.1
	20.9	20.7	20.5		
500	22.6	22.8	23.0	23.1	23.6
	23.8	23.9	24.1	24.2	24.4
	24.6	24.7	24.9	25.1	25.3
	25.5	25.7	25.5	25.6	25.8
	25.9	25.8	25.7	25.4	25.4
	25.5	25.5	25.7	25.6	25.7
	26.2	26.4	26.7	26.9	27.3
	27.6	28.0	28.0	28.3	27.5
	27.1	27.5	26.5	28.3	28.3
	28.1	28.8	28.3	28.2	28.1
	27.9	27.8	27.3	26.7	26.3
	26.1	25.7	25.1	24.8	24.6
	24.4	24.1	23.9	23.6	23.4
	23.2	23.0	22.8	22.5	22.3
	22.1	21.9	21.7	21.4	21.2
	21.0	20.8	20.3		
490	22.7	22.9	23.1	23.2	23.5
	24.0	24.1	24.3	24.5	24.7
	24.8	25.0	25.1	25.3	25.5
	25.7	25.9	26.2	25.9	26.2
	26.2	26.4	26.0	25.9	25.8
	25.9	25.9	26.0	25.9	26.1
	26.3	26.7	27.1	27.2	27.7
	27.9	28.5	28.5	28.8	28.2
	27.7	28.1	27.5	28.9	28.9
	28.9	29.2	29.2	28.7	28.5
	28.5	27.8	27.2	26.9	26.6
	26.1	25.5	25.3	25.1	24.8
	24.5	24.3	24.0	23.8	23.6
	23.4	23.2	22.9	22.7	22.5
	22.3	22.0	21.8	21.6	21.3
	21.1	20.6	20.3		
480	22.9	23.1	23.2	23.4	23.6
	23.8	24.0	24.5	24.7	24.9
	25.1	25.2	25.3	25.5	25.7
	25.9	26.1	26.3	26.6	26.4
	26.7	26.7	26.8	26.5	26.3
	26.3	26.3	26.4	26.5	26.4
	26.6	27.1	27.4	27.6	28.1
	28.5	28.9	29.2	29.5	28.8
	28.2	28.6	28.5	29.8	29.6
	30.0	29.5	29.5	29.1	28.8
	28.4	28.1	27.4	27.1	26.7
	26.1	25.8	25.5	25.2	25.0
	24.7	24.5	24.2	24.0	23.8
	23.5	23.3	23.1	22.8	22.6
	22.4	22.2	21.9	21.7	21.1
	20.9	20.7	20.4		
470	23.1	23.3	23.4	23.6	23.7
	23.9	24.1	24.3	24.6	25.1
	25.3	25.5	25.7	25.7	25.9
	26.1	26.4	26.6	26.8	27.0
	26.8	27.1	27.2	27.3	27.0
	26.7	26.7	26.8	27.0	26.8
	26.9	27.4	27.8	27.9	28.5
	28.9	29.3	29.8	30.3	29.6
	29.2	30.0	30.9	31.3	30.7
	30.5	30.4	29.8	29.5	29.2
	28.7	28.0	27.7	27.2	26.6
	26.3	26.0	25.7	25.5	25.2
	24.9	24.7	24.4	24.2	23.9
	23.7	23.4	23.2	23.0	22.8
	22.5	22.3	21.7	21.5	21.2
	20.9	20.7	20.5		
460	23.0	23.2	23.4	23.8	23.9
	24.1	24.2	24.4	24.7	25.0
	25.5	25.7	25.9	26.1	26.2
	26.4	26.6	26.8	27.0	27.3
	27.5	27.3	27.6	27.7	27.8
	27.5	27.2	27.2	27.3	27.5
	27.4	27.6	28.1	28.5	28.8
	29.5	29.9	30.8	31.3	30.5
	30.7	31.8	34.3	33.6	32.4
	31.3	30.8	30.3	29.9	29.4
	28.6	28.2	27.9	27.1	26.8
	26.5	26.2	25.9	25.6	25.4
	25.1	24.9	24.6	24.3	24.1
	23.8	23.6	23.4	23.1	22.9
	22.3	22.1	21.8	21.6	21.3
	21.0	20.8	20.5		
450	23.0	23.2	23.5	23.7	23.9
	24.3	24.4	24.7	24.8	25.1
	25.3	25.6	26.1	26.3	26.5
	26.8	26.8	27.0	27.3	27.5

	27.8	28.0	27.8	28.1	28.2
	28.3	28.0	27.7	27.7	27.9
	27.8	28.1	28.6	28.9	29.2
	30.2	30.7	31.7	32.6	31.8
	32.5	34.7	40.9	37.0	33.5
	32.2	31.3	30.9	30.3	29.4
	28.9	28.5	27.7	27.4	27.0
	26.7	26.4	26.1	25.8	25.6
	25.3	25.1	24.8	24.5	24.2
	24.0	23.7	23.5	22.9	22.7
	22.4	22.1	21.8	21.6	21.3
	21.0	20.8	20.8		
440	23.0	23.3	23.5	23.7	24.0
	24.2	24.5	24.9	25.0	25.3
	25.5	25.7	26.0	26.5	26.8
	27.0	27.2	27.5	27.5	27.8
	28.0	28.3	28.5	28.5	28.7
	28.7	28.5	28.2	28.2	28.3
	28.6	28.5	29.0	29.5	29.7
	30.6	31.8	32.9	35.1	34.2
	34.0	37.0	0.0	37.6	34.4
	32.7	31.7	31.2	30.1	29.6
	29.1	28.4	28.0	27.6	27.2
	26.9	26.6	26.3	26.1	25.8
	25.5	25.2	24.9	24.7	24.4
	24.2	23.5	23.3	23.0	22.7
	22.5	22.2	21.9	21.7	21.4
	21.4	21.5	21.2		
430	23.0	23.2	23.4	23.7	24.0
	24.2	24.6	24.8	25.1	25.5
	25.7	25.9	26.2	26.3	26.7
	27.2	27.5	27.7	27.9	28.1
	28.3	28.5	28.8	29.1	29.0
	29.3	29.3	29.0	28.7	28.8
	29.0	28.9	29.3	30.0	30.3
	31.2	32.6	34.4	38.7	37.0
	35.8	38.7	42.4	37.0	34.6
	33.0	32.1	31.2	30.4	29.8
	29.0	28.6	28.2	27.8	27.5
	27.2	26.9	26.6	26.3	26.0
	25.7	25.4	25.1	24.8	24.2
	23.9	23.7	23.4	23.1	22.8
	22.5	22.3	22.2	22.3	22.0
	21.7	21.5	21.3		
420	23.1	23.3	23.5	23.7	23.9
	24.2	24.5	24.8	25.1	25.5
	25.7	26.1	26.3	26.6	26.9
	27.0	27.4	27.9	28.2	28.4
	28.7	28.8	29.1	29.4	29.7
	29.6	29.9	29.9	29.7	29.3
	29.4	29.6	29.8	30.4	30.9
	31.8	33.5	35.9	40.7	36.0
	35.7	40.4	41.0	36.8	34.6
	33.3	32.5	31.3	30.7	30.0
	29.3	28.8	28.5	28.1	27.7
	27.4	27.1	26.8	26.5	26.1
	25.8	25.6	25.3	24.6	24.3
	24.0	23.7	23.4	23.2	22.9
	22.8	22.9	22.6	22.3	22.1
	21.8	21.5	21.3		
410	23.3	23.5	23.6	23.8	24.0
	24.2	24.5	24.8	25.2	25.5
	25.7	26.1	26.4	26.8	27.0
	27.3	27.6	27.9	28.4	28.7
	29.0	29.3	29.4	29.7	29.9
	30.3	30.3	30.5	30.6	30.3
	30.0	30.1	30.2	30.9	31.6
	32.3	34.1	36.8	0.0	38.2
	-1.0	42.4	39.8	36.5	34.8
	33.6	32.3	31.6	30.8	30.1
	29.5	29.1	28.7	28.3	28.0
	27.6	27.3	26.9	26.6	26.3
	26.0	25.4	25.1	24.7	24.4
	24.1	23.8	23.8	23.8	23.5
	23.2	22.9	22.6	22.4	22.1
	21.4	21.2	20.9		
400	23.4	23.6	23.8	24.0	24.1
	24.3	24.6	24.8	25.1	25.4
	25.7	26.1	26.4	26.8	27.1
	27.5	27.7	28.1	28.4	28.7
	29.3	29.5	29.8	30.1	30.3
	30.6	30.9	30.9	31.2	31.4
	30.7	30.6	30.8	31.2	32.1
	32.9	34.8	38.0	41.1	38.7
	39.6	43.8	39.1	36.3	34.8
	33.5	32.6	31.6	30.9	30.3
	29.8	29.4	29.0	28.6	28.2
	27.8	27.5	27.1	26.8	26.1
	25.8	25.5	25.1	24.8	24.5
	24.7	24.4	24.1	23.8	23.5
	23.2	23.0	22.3	22.0	21.8
	21.5	21.2	21.0		
390	23.7	23.8	24.0	24.2	24.4
	24.6	24.9	25.0	25.2	25.5
	25.8	26.0	26.3	26.8	27.1
	27.5	27.8	28.3	28.5	28.9
	29.2	29.8	30.1	30.4	30.8
	31.0	31.3	31.7	31.8	32.0
	32.2	31.4	31.4	31.6	32.6
	33.5	35.5	39.4	40.7	39.3
	40.7	43.2	38.5	36.4	34.8
	33.7	32.6	31.8	31.1	30.6
	30.1	29.6	29.2	28.8	28.4
	28.0	27.7	27.0	26.6	26.2
	25.9	25.5	25.4	25.4	25.1
	24.7	24.4	24.1	23.5	23.2
	22.9	22.6	22.4	22.1	21.9
	21.5	21.3	21.0		
380	23.7	24.0	24.2	24.4	24.6
	24.8	25.0	25.2	25.5	25.8
	25.9	26.2	26.4	26.7	27.0
	27.4	27.8	28.3	28.6	29.1
	29.4	29.7	30.2	30.8	31.1
	31.4	31.8	32.0	32.4	32.6
	32.9	32.6	32.2	32.3	32.9
	33.8	36.1	41.2	41.9	41.2
	42.3	42.0	38.3	36.2	35.1
	33.7	32.9	32.0	31.4	30.8
	30.3	29.9	29.4	29.0	28.6
	27.9	27.5	27.1	26.7	26.3
	26.5	26.1	25.8	25.4	25.1

	24.4	24.1	23.8	23.6	23.3
	23.0	22.7	22.4	22.1	22.0
	21.6	21.4	21.1		
370	23.6	24.0	24.2	24.5	24.8
	24.9	25.3	25.5	25.7	25.9
	26.2	26.4	26.7	26.9	27.1
	27.5	27.8	28.1	28.6	29.1
	29.5	30.0	30.3	30.7	31.5
	31.8	32.2	32.5	33.0	33.3
	33.5	33.8	33.5	33.0	33.4
	34.1	36.1	40.9	45.3	0.0
	44.3	41.1	38.2	36.5	35.0
	34.0	33.0	32.3	31.6	31.1
	30.6	30.1	29.6	28.8	28.4
	28.0	27.6	27.7	27.3	26.9
	26.5	26.2	25.5	25.1	24.8
	24.5	24.2	23.9	23.6	23.4
	23.1	22.8	22.5	22.3	22.0
	21.7	21.4	21.1		
360	23.3	23.5	24.0	24.3	24.6
	25.3	25.3	25.6	25.9	26.1
	26.5	26.7	26.9	27.2	27.5
	27.6	27.9	28.3	28.6	29.0
	29.4	30.0	30.4	30.9	31.3
	31.7	32.6	33.0	33.4	33.9
	34.3	34.6	35.0	33.9	33.9
	34.5	35.1	37.4	40.7	44.3
	0.0	40.6	38.1	36.6	35.3
	34.1	33.2	32.5	31.9	31.3
	30.8	30.3	29.4	29.0	28.8
	28.6	28.1	27.7	27.3	26.6
	26.2	25.9	25.6	25.2	24.8
	24.6	24.3	24.0	23.7	23.4
	23.1	22.8	22.6	22.3	22.0
	21.7	21.4	21.2		
350	23.3	23.5	23.7	24.0	24.3
	24.6	24.8	25.2	25.7	26.1
	26.7	26.8	27.1	27.4	27.7
	28.0	28.3	28.6	28.8	29.1
	29.5	29.9	30.3	30.9	31.4
	32.0	32.4	32.9	33.9	34.4
	34.9	35.6	35.8	36.3	34.8
	34.6	34.0	36.5	39.2	44.2
	42.8	39.9	38.2	36.7	35.4
	34.3	33.5	32.8	32.2	31.5
	30.6	30.0	29.8	29.5	29.0
	28.3	27.9	27.5	27.1	26.6
	26.3	26.0	25.7	25.3	25.0
	24.7	24.4	24.1	23.8	23.5
	23.2	22.9	22.6	22.4	22.0
	21.8	21.5	21.3		
340	23.3	23.5	23.8	24.0	24.3
	24.5	24.8	25.0	25.4	25.7
	26.1	26.4	26.7	27.3	27.7
	28.4	28.6	28.8	29.2	29.5
	29.9	30.1	30.4	30.8	31.3
	31.8	32.5	33.0	33.7	34.8
	35.5	36.2	37.0	37.3	37.9
	35.8	32.5	-1.0	-1.0	45.6
	42.6	40.1	38.7	37.1	35.6
	34.7	33.8	33.1	31.9	31.5
	31.1	30.5	29.7	29.2	28.8
	28.4	27.9	27.6	27.2	26.8
	26.4	26.1	25.7	25.4	25.1
	24.7	24.4	24.1	23.8	23.5
	23.2	22.9	22.7	22.4	22.1
	21.8	21.5	21.3		
330	23.3	23.5	23.7	24.0	24.2
	24.5	24.7	25.1	25.4	25.7
	26.0	26.4	26.6	27.0	27.3
	27.8	28.1	28.5	29.2	29.6
	30.2	30.5	30.9	31.3	31.5
	31.9	32.4	32.9	33.8	34.4
	35.3	36.7	37.6	38.8	39.4
	40.0	32.5	-1.0	46.3	46.5
	43.2	41.0	39.0	37.2	36.0
	35.0	33.7	32.9	32.3	31.4
	30.8	30.3	29.7	29.4	28.9
	28.5	28.1	27.7	27.3	26.9
	26.5	26.2	25.8	25.5	25.1
	24.8	24.5	24.2	23.9	23.6
	23.3	23.0	22.7	22.5	22.1
	21.8	21.6	21.3		
320	23.2	23.4	23.8	24.1	24.3
	24.6	24.9	25.1	25.4	25.7
	26.0	26.3	26.6	26.9	27.3
	27.7	28.1	28.5	28.9	29.3
	29.8	30.2	30.7	31.2	31.8
	32.4	32.7	33.2	33.7	34.3
	35.2	36.3	38.1	39.4	41.0
	42.2	40.7	-1.0	48.4	48.1
	44.8	42.3	39.3	37.7	35.7
	34.7	33.4	32.7	32.0	31.5
	30.9	30.4	29.9	29.5	29.0
	28.6	28.2	27.8	27.4	27.0
	26.6	26.2	25.9	25.5	25.2
	24.9	24.5	24.2	23.9	23.6
	23.3	23.0	22.8	22.5	22.2
	21.8	21.3	21.1		
310	23.6	23.8	24.1	24.3	24.2
	24.5	24.7	25.0	25.3	25.6
	26.1	26.4	26.7	27.1	27.4
	27.8	28.3	28.5	28.9	29.3
	29.7	30.1	30.5	31.0	31.5
	32.0	32.7	33.2	33.7	34.6
	35.4	36.1	37.3	39.0	42.0
	44.7	48.0	51.4	52.4	50.1
	47.1	42.5	38.5	36.6	35.2
	34.2	33.4	32.7	32.1	31.5
	31.0	30.5	30.0	29.6	29.1
	28.7	28.3	27.6	27.2	26.8
	26.4	26.1	25.7	25.3	25.0
	24.7	24.3	24.0	23.7	23.4
	23.1	22.7	22.4	22.1	21.8
	21.5	21.2	21.0		
300	23.2	23.5	23.7	24.0	24.3
	24.5	24.8	25.1	25.4	25.7
	26.0	26.4	26.7	27.0	27.5
	27.9	28.4	29.1	29.3	29.7
	30.2	30.2	30.7	31.1	31.7
	32.2	32.8	33.2	33.6	34.3

	35.0	35.8	36.4	39.3	42.7
	44.6	49.0	54.2	55.8	53.1
	51.4	36.3	35.1	34.9	34.0
	33.3	32.7	32.0	31.5	31.1
	30.6	30.1	29.7	29.2	28.8
	28.4	27.9	27.5	27.1	26.7
	26.3	25.9	25.6	25.2	24.9
	24.5	24.2	23.9	23.6	23.3
	23.0	22.6	22.4	22.0	21.7
	21.4	21.2	21.0		
290	23.6	23.9	24.1	24.4	24.6
	24.9	25.4	25.5	25.8	26.1
	26.4	26.7	27.1	27.4	27.8
	28.1	28.5	28.9	29.3	29.7
	29.8	30.3	30.7	31.2	31.8
	32.4	33.0	33.5	34.1	34.6
	35.3	37.2	37.7	38.8	39.7
	37.8	45.2	54.1	57.7	58.5
	-1.0	-1.0	32.4	33.3	33.2
	32.7	32.3	31.9	31.5	31.0
	30.6	30.1	29.7	29.2	28.8
	28.3	27.9	27.5	27.1	26.7
	26.3	25.9	25.6	25.2	24.9
	24.5	24.2	23.9	23.6	23.2
	23.0	22.6	22.3	22.0	21.7
	21.4	21.2	20.9		
280	23.6	23.9	24.1	24.4	24.6
	24.9	25.2	25.4	25.7	26.0
	26.3	26.7	27.0	27.3	27.7
	28.1	28.5	28.9	29.3	29.7
	30.1	30.6	31.1	31.5	32.0
	32.5	32.9	33.8	34.4	35.6
	36.6	37.4	38.7	39.9	40.9
	41.5	44.8	52.3	55.7	58.3
	-1.0	-1.0	32.4	32.6	32.5
	32.4	32.2	31.9	31.5	31.1
	30.6	30.2	29.8	29.3	28.9
	28.4	28.0	27.6	27.2	26.7
	26.4	26.0	25.6	25.3	24.9
	24.6	24.2	23.9	23.6	23.3
	23.0	22.7	22.4	22.1	21.7
	21.4	21.2	20.9		
270	23.6	23.8	24.1	24.3	24.6
	24.9	25.1	25.4	25.7	26.2
	26.5	26.8	27.2	27.5	28.0
	28.3	28.7	29.1	29.5	29.9
	30.4	30.6	31.1	31.6	32.0
	32.4	32.9	33.7	34.5	35.1
	35.7	35.9	36.0	35.3	32.6
	28.4	-1.0	-1.0	54.2	54.9
	-1.0	-1.0	31.4	32.1	32.4
	32.3	32.1	31.9	31.5	31.1
	30.7	30.2	29.8	29.3	28.9
	28.5	28.0	27.6	27.2	26.8
	26.4	26.0	25.6	25.3	24.9
	24.6	24.2	23.9	23.6	23.3
	23.0	22.7	22.4	22.1	21.7
	21.5	21.3	21.0		
260	23.7	23.9	24.3	24.6	24.8
	25.1	25.3	25.4	25.8	26.1
	26.4	26.7	27.1	27.4	27.8
	28.0	28.4	28.8	28.9	29.3
	29.7	30.1	30.6	30.8	31.0
	32.1	32.7	33.1	33.5	33.9
	34.5	34.9	34.7	33.3	31.8
	-1.0	-1.0	-1.0	-1.0	-1.0
	-1.0	27.8	36.1	33.5	33.0
	32.5	32.2	31.9	31.5	31.1
	30.7	30.3	29.8	29.4	28.9
	28.5	28.0	27.6	27.1	26.8
	26.4	26.0	25.6	25.3	24.9
	24.6	24.2	23.9	23.6	23.3
	23.0	22.7	22.4	22.0	21.7
	21.5	21.2	21.0		
250	23.6	23.9	24.1	24.3	24.6
	24.9	25.1	25.5	25.8	25.9
	25.9	26.3	26.6	26.9	27.3
	27.6	27.7	27.9	28.2	28.6
	28.9	29.3	29.7	30.8	31.5
	31.9	32.3	32.8	33.2	33.9
	34.1	34.1	33.4	32.8	31.3
	-1.0	-1.0	-1.0	-1.0	-1.0
	-1.0	28.9	31.7	32.9	33.4
	34.0	32.7	32.2	31.7	31.3
	30.7	30.3	29.8	29.3	28.9
	28.4	28.0	27.6	27.2	26.8
	26.4	26.0	25.6	25.3	24.9
	24.5	24.2	23.9	23.6	23.3
	23.0	22.6	22.3	22.0	21.7
	21.5	21.2	21.0		
240	23.7	23.6	23.8	23.9	24.1
	24.4	24.7	24.9	25.0	25.3
	25.3	25.7	26.0	26.3	26.4
	26.7	27.0	27.5	27.8	28.1
	28.5	29.7	30.4	30.8	31.3
	31.7	32.2	32.8	33.1	33.5
	33.6	33.3	32.7	32.2	30.4
	-1.0	-1.0	-1.0	-1.0	-1.0
	-1.0	30.2	32.1	32.8	32.9
	32.8	32.7	32.7	32.3	31.4
	30.9	30.4	29.9	29.5	28.9
	28.4	28.0	27.6	27.1	26.7
	26.3	25.9	25.6	25.3	24.9
	24.6	24.2	23.9	23.6	23.3
	23.0	22.6	22.3	22.0	21.8
	21.5	21.2	21.0		
230	22.9	23.1	23.3	23.3	23.5
	23.8	24.0	24.3	24.3	24.6
	24.9	25.2	25.5	25.8	26.1
	26.4	26.8	27.1	27.5	28.7
	29.4	29.9	30.3	30.7	31.1
	31.6	32.1	32.5	32.7	32.9
	32.9	32.4	32.1	31.2	27.9
	-1.0	-1.0	-1.0	-1.0	-1.0
	-1.0	31.0	32.3	32.7	32.8
	32.6	32.4	32.0	31.7	31.6
	31.3	30.7	30.0	29.5	29.0
	28.5	28.1	27.6	27.2	26.7
	26.3	25.9	25.6	25.2	24.8
	24.5	24.2	23.9	23.6	23.3
	22.9	22.6	22.3	22.0	21.8

	21.5	21.3	21.1		
220	22.4	22.7	22.7	22.9	23.1
	23.3	23.5	23.8	24.0	24.3
	24.6	24.9	25.2	25.6	25.9
	26.3	26.6	27.8	28.5	28.9
	29.3	29.7	30.2	30.6	30.9
	31.5	31.9	32.1	32.4	32.4
	32.2	32.2	32.0	31.5	31.4
	31.5	31.4	30.8	29.8	28.2
	-1.0	30.8	32.2	32.6	32.6
	32.4	32.1	31.8	31.4	31.0
	30.7	30.3	30.1	29.7	29.3
	28.5	28.1	27.6	27.2	26.8
	26.3	26.0	25.6	25.2	24.8
	24.5	24.1	23.8	23.5	23.1
	22.8	22.5	22.3	22.0	21.8
	21.5	21.3	21.0		
210	21.9	22.1	22.4	22.6	22.8
	23.0	23.2	23.5	23.8	24.1
	24.4	24.7	25.1	25.4	25.8
	26.9	27.3	28.0	28.4	28.8
	29.2	29.6	30.0	30.3	31.0
	31.4	31.6	31.9	32.0	31.9
	32.0	32.2	32.2	32.4	32.6
	32.9	32.9	32.7	32.3	31.5
	30.3	30.7	31.8	32.3	32.3
	32.1	31.9	31.6	31.2	30.8
	30.4	30.1	29.6	29.2	29.1
	28.6	28.3	27.9	27.2	26.8
	26.4	26.0	25.6	25.3	24.8
	24.5	24.2	23.8	23.5	23.1
	22.8	22.5	22.2	21.9	21.7
	21.4	21.2	21.0		
200	21.7	21.9	22.1	22.3	22.6
	22.8	23.1	23.4	23.7	24.0
	24.3	24.6	24.9	26.1	26.5
	27.2	27.5	27.9	28.3	28.7
	29.0	29.4	29.8	30.4	30.8
	31.0	31.3	31.4	31.7	31.7
	31.9	32.2	32.4	32.7	33.0
	33.3	33.4	33.3	33.1	32.6
	31.9	31.6	31.8	32.0	31.9
	31.8	31.6	31.4	31.0	30.6
	30.2	29.8	29.3	29.0	28.6
	28.2	27.8	27.7	27.4	27.0
	26.6	26.0	25.6	25.2	24.9
	24.5	24.2	23.8	23.5	23.2
	22.8	22.5	22.2	21.9	21.7
	21.4	21.1	20.9		
190	21.5	21.7	22.0	22.2	22.4
	22.8	23.0	23.3	23.6	23.9
	24.2	25.4	25.7	26.4	26.7
	27.1	27.4	27.8	28.1	28.4
	28.8	29.2	29.8	30.2	30.3
	30.7	30.9	31.1	31.2	31.4
	31.7	32.0	32.5	32.7	33.0
	33.3	33.4	33.4	33.2	32.9
	32.4	32.0	32.0	31.9	31.8
	31.5	31.3	31.0	30.8	30.4
	29.9	29.5	29.2	28.7	28.3
	28.0	27.7	27.3	26.9	26.8
	26.4	26.2	25.8	25.4	24.8
	24.5	24.1	23.8	23.5	23.2
	22.8	22.5	22.2	22.0	21.7
	21.5	21.2	20.9		
180	21.4	21.6	21.9	22.1	22.4
	22.6	22.9	23.2	23.5	24.7
	25.0	25.6	25.9	26.3	26.6
	27.0	27.2	27.5	27.9	28.2
	28.9	29.2	29.6	29.7	30.1
	30.3	30.5	30.6	30.9	31.2
	31.5	31.9	32.3	32.6	32.8
	33.0	33.2	33.2	33.1	32.8
	32.5	32.2	32.0	31.8	31.6
	31.4	31.1	30.7	30.4	30.1
	29.7	29.3	28.9	28.5	28.2
	27.7	27.4	27.1	26.7	26.4
	26.0	25.7	25.6	25.4	25.0
	24.7	24.4	23.8	23.5	23.1
	22.8	22.6	22.3	21.9	21.7
	21.4	21.2	20.9		
170	21.3	21.6	21.8	22.0	22.3
	22.6	22.8	24.0	24.3	24.9
	25.2	25.5	25.8	26.1	26.4
	26.7	27.0	27.3	27.7	28.3
	28.6	29.0	29.1	29.5	29.6
	29.9	30.0	30.3	30.6	30.9
	31.3	31.6	32.0	32.2	32.5
	32.7	32.8	32.8	32.8	32.6
	32.3	32.0	31.8	31.6	31.4
	31.1	30.9	30.5	30.2	29.8
	29.5	29.1	28.7	28.3	27.9
	27.5	27.2	26.8	26.4	26.2
	25.9	25.5	25.2	24.9	24.8
	24.5	24.3	24.0	23.7	23.3
	22.8	22.5	22.3	22.0	21.8
	21.5	21.2	20.9		
160	21.2	21.5	21.7	22.0	22.2
	23.4	23.7	24.3	24.5	24.8
	25.1	25.3	25.6	25.9	26.2
	26.5	26.8	27.2	27.8	28.1
	28.4	28.5	28.9	29.0	29.2
	29.5	29.6	29.9	30.2	30.6
	31.0	31.4	31.6	31.9	32.1
	32.3	32.4	32.4	32.4	32.2
	32.0	31.8	31.5	31.4	31.1
	30.8	30.6	30.3	29.9	29.6
	29.2	28.9	28.5	28.1	27.7
	27.3	27.0	26.7	26.2	25.9
	25.7	25.4	25.0	24.7	24.4
	24.1	24.1	23.8	23.6	23.3
	23.0	22.8	22.5	22.0	21.7
	21.5	21.2	21.0		
150	21.2	21.4	21.6	22.8	23.1
	23.4	23.9	24.2	24.5	24.7
	24.9	25.2	25.5	25.8	26.1
	26.4	26.7	27.2	27.6	27.6
	28.0	28.3	28.4	28.7	29.0
	29.0	29.2	29.6	29.9	30.3
	30.6	31.0	31.2	31.4	31.7
	31.8	31.9	31.9	31.9	31.8

	31.6	31.4	31.2	31.0	30.8
	30.5	30.2	29.9	29.6	29.3
	28.9	28.6	28.2	27.9	27.5
	27.1	26.8	26.4	26.1	25.8
	25.4	25.0	24.9	24.5	24.2
	24.0	23.7	23.3	23.1	23.1
	22.8	22.7	22.5	22.2	22.0
	21.7	21.2	20.9		
140	21.0	22.3	22.5	22.8	23.3
	23.6	23.9	24.0	24.3	24.5
	24.8	25.1	25.3	25.7	25.9
	26.2	26.7	27.1	27.1	27.4
	27.7	27.8	28.1	28.3	28.4
	28.6	28.9	29.2	29.5	29.9
	30.2	30.5	30.8	31.0	31.2
	31.3	31.4	31.4	31.4	31.3
	31.2	31.0	30.8	30.6	30.4
	30.2	29.9	29.6	29.3	29.0
	28.6	28.3	27.9	27.6	27.3
	26.9	26.6	26.2	25.9	25.5
	25.3	24.9	24.5	24.3	24.1
	23.8	23.5	23.2	23.0	22.7
	22.4	22.5	22.3	22.2	21.9
	21.7	21.4	21.2		
130	22.0	22.2	22.8	23.0	23.3
	23.4	23.7	23.9	24.2	24.4
	24.6	25.0	25.2	25.5	25.8
	26.3	26.6	26.6	26.9	27.2
	27.3	27.5	27.7	27.8	28.0
	28.2	28.5	28.8	29.2	29.5
	29.9	30.1	30.3	30.5	30.7
	30.8	30.9	30.9	30.9	30.8
	30.7	30.6	30.4	30.2	30.0
	29.8	29.5	29.2	28.9	28.6
	28.3	28.0	27.7	27.3	27.0
	26.7	26.4	26.0	25.7	25.3
	25.0	24.7	24.5	24.1	23.8
	23.5	23.3	23.0	22.8	22.6
	22.3	22.1	21.9	21.7	21.7
	21.5	21.4	21.1		
120	22.2	22.5	22.7	22.9	23.1
	23.3	23.6	23.8	24.0	24.3
	24.6	24.8	25.1	25.6	25.8
	26.1	26.1	26.4	26.6	26.7
	26.9	27.1	27.2	27.4	27.6
	27.9	28.2	28.5	28.9	29.1
	29.5	29.6	29.8	30.0	30.2
	30.3	30.4	30.4	30.4	30.3
	30.2	30.1	30.0	29.8	29.6
	29.4	29.1	28.9	28.6	28.3
	28.0	27.7	27.4	27.0	26.7
	26.4	26.1	25.8	25.5	25.1
	24.8	24.5	24.2	24.0	23.7
	23.3	23.0	22.8	22.7	22.4
	22.2	22.0	21.8	21.5	21.3
	21.1	21.1	20.9		
110	22.2	22.3	22.5	22.8	23.0
	23.2	23.4	23.7	23.9	24.2
	24.4	24.6	25.1	25.4	25.6
	25.6	25.9	26.1	26.2	26.4
	26.6	26.9	26.8	27.0	27.3
	27.5	27.8	28.1	28.5	28.7
	29.0	29.2	29.4	29.6	29.7
	29.8	29.9	29.9	29.9	29.8
	29.7	29.6	29.5	29.3	29.2
	28.9	28.7	28.5	28.2	27.9
	27.7	27.4	27.0	26.7	26.5
	26.2	25.9	25.6	25.3	25.0
	24.7	24.3	24.0	23.7	23.4
	23.2	22.9	22.6	22.4	22.3
	22.1	21.8	21.6	21.4	21.2
	21.0	20.7	20.5		
100	22.0	22.2	22.4	22.6	22.9
	23.1	23.4	23.6	23.8	24.0
	24.2	24.7	25.0	25.2	25.2
	25.4	25.7	25.7	25.9	26.0
	26.3	26.3	26.5	26.7	27.0
	27.2	27.5	27.8	28.1	28.4
	28.6	28.7	28.9	29.1	29.2
	29.3	29.4	29.4	29.4	29.3
	29.3	29.2	29.0	28.9	28.7
	28.5	28.3	28.1	27.8	27.6
	27.3	27.0	26.7	26.4	26.2
	25.9	25.6	25.3	25.0	24.8
	24.5	24.2	23.8	23.5	23.3
	23.0	22.7	22.6	22.2	22.0
	21.8	21.7	21.5	21.3	21.0
	20.8	20.6	20.4		
90	21.9	22.1	22.3	22.5	22.7
	23.0	23.2	23.4	23.6	23.9
	24.3	24.6	24.8	24.7	25.0
	25.2	25.3	25.4	25.5	25.8
	25.8	25.9	26.1	26.4	26.6
	26.9	27.1	27.4	27.7	28.0
	28.1	28.3	28.5	28.6	28.7
	28.8	28.9	28.9	28.9	28.8
	28.8	28.7	28.6	28.4	28.3
	28.1	27.9	27.7	27.4	27.2
	26.9	26.7	26.4	26.2	25.9
	25.6	25.3	25.0	24.8	24.5
	24.3	24.0	23.7	23.4	23.1
	22.8	22.6	22.4	22.2	22.0
	21.6	21.4	21.2	21.2	20.9
	20.7	20.5	20.3		
80	21.8	22.0	22.2	22.5	22.7
	22.9	23.1	23.3	23.5	24.0
	24.2	24.4	24.3	24.6	24.8
	24.8	25.0	25.0	25.3	25.3
	25.4	25.6	25.8	26.0	26.3
	26.5	26.8	27.1	27.3	27.6
	27.7	27.8	28.0	28.1	28.2
	28.3	28.4	28.4	28.4	28.4
	28.3	28.2	28.1	28.0	27.8
	27.7	27.5	27.3	27.1	26.8
	26.6	26.4	26.1	25.9	25.6
	25.3	25.1	24.8	24.5	24.3
	24.0	23.8	23.5	23.3	23.0
	22.7	22.5	22.2	22.0	21.8
	21.6	21.3	21.1	20.8	20.6
	20.6	20.4	20.2		
70	21.7	22.0	22.1	22.3	22.5

	22.7	22.9	23.1	23.6	23.8
	23.7	23.9	24.2	24.4	24.4
	24.5	24.6	24.8	24.9	24.9
	25.1	25.3	25.5	25.7	26.0
	26.2	26.5	26.7	27.0	27.2
	27.3	27.4	27.6	27.7	27.8
	27.9	27.9	27.9	27.9	27.9
	27.8	27.8	27.7	27.5	27.4
	27.3	27.1	26.9	26.7	26.5
	26.2	26.0	25.8	25.5	25.3
	25.0	24.8	24.5	24.3	24.0
	23.8	23.6	23.3	23.1	22.8
	22.6	22.3	22.1	21.8	21.6
	21.4	21.2	21.0	20.7	20.5
	20.3	20.1	20.1		
60	21.7	21.8	22.0	22.2	22.4
	22.6	23.0	23.3	23.5	23.4
	23.6	23.8	24.0	24.0	24.1
	24.3	24.4	24.6	24.5	24.6
	24.8	25.0	25.2	25.4	25.6
	25.8	26.2	26.3	26.7	26.8
	26.9	27.0	27.2	27.3	27.3
	27.4	27.4	27.5	27.5	27.4
	27.4	27.3	27.2	27.1	27.0
	26.9	26.7	26.5	26.3	26.1
	25.9	25.7	25.5	25.2	25.0
	24.8	24.5	24.3	24.0	23.8
	23.6	23.4	23.1	22.9	22.7
	22.4	22.2	21.9	21.7	21.5
	21.2	21.0	20.8	20.7	20.4
	20.2	20.0	19.8		
50	21.5	21.7	21.9	22.1	22.2
	22.7	22.9	23.1	23.0	23.2
	23.4	23.6	23.6	23.7	23.9
	23.9	24.2	24.1	24.2	24.3
	24.5	24.7	24.9	25.1	25.3
	25.6	25.8	26.0	26.3	26.4
	26.5	26.6	26.8	26.8	26.9
	27.0	27.0	27.0	27.0	27.0
	26.9	26.9	26.8	26.7	26.6
	26.4	26.3	26.1	26.0	25.8
	25.6	25.4	25.1	24.9	24.7
	24.5	24.2	24.0	23.8	23.6
	23.3	23.1	22.9	22.7	22.5
	22.3	22.0	21.8	21.5	21.3
	21.1	20.9	20.7	20.5	20.4
	20.2	19.9	19.7		
40	21.4	21.6	21.7	21.9	22.4
	22.6	22.8	22.6	22.8	23.1
	23.2	23.2	23.3	23.5	23.5
	23.7	23.6	23.7	23.8	24.0
	24.2	24.4	24.6	24.8	25.0
	25.3	25.5	25.7	25.9	26.0
	26.1	26.3	26.3	26.4	26.5
	26.6	26.6	26.6	26.6	26.5
	26.5	26.4	26.4	26.3	26.2
	26.1	25.9	25.8	25.6	25.4
	25.2	25.0	24.8	24.6	24.4
	24.2	24.0	23.8	23.6	23.3
	23.1	22.9	22.7	22.5	22.3
	22.1	21.9	21.7	21.4	21.2
	21.0	20.8	20.5	20.3	20.1
	20.0	19.8	19.7		
30	21.3	21.5	21.6	22.1	22.3
	22.4	22.3	22.5	22.7	22.9
	22.8	22.9	23.1	23.1	23.3
	23.4	23.3	23.4	23.6	23.8
	23.9	24.1	24.3	24.5	24.8
	25.0	25.1	25.4	25.5	25.6
	25.7	25.9	25.9	26.0	26.1
	26.1	26.1	26.2	26.2	26.1
	26.1	26.0	26.0	25.9	25.8
	25.7	25.5	25.4	25.2	25.1
	24.9	24.7	24.5	24.3	24.2
	24.0	23.7	23.5	23.3	23.1
	22.9	22.7	22.5	22.3	22.1
	21.9	21.7	21.5	21.3	21.1
	20.9	20.6	20.4	20.2	20.0
	19.8	19.6	19.4		
20	21.2	21.3	21.8	22.0	22.1
	22.0	22.1	22.3	22.5	22.4
	22.5	22.7	22.7	22.9	23.1
	22.9	23.0	23.2	23.3	23.5
	23.6	23.8	24.0	24.2	24.5
	24.7	24.8	25.1	25.2	25.2
	25.3	25.5	25.5	25.6	25.7
	25.7	25.7	25.8	25.8	25.7
	25.7	25.6	25.6	25.5	25.4
	25.3	25.2	25.0	24.9	24.7
	24.6	24.4	24.2	24.1	23.9
	23.7	23.5	23.3	23.1	22.9
	22.7	22.5	22.3	22.1	21.9
	21.7	21.5	21.3	21.1	20.9
	20.8	20.6	20.3	20.1	19.9
	19.7	19.5	19.3		

(x = 385 ,y = 387 ,z = 4.0): 39.9
(x = 385 ,y = 417 ,z = 4.0): 41.2
(x = 412 ,y = 386 ,z = 4.0): 41.7
(x = 419 ,y = 419 ,z = 4.0): 41.4
(x = 429 ,y = 302 ,z = 4.0): 35.3
(x = 425 ,y = 281 ,z = 4.0): 32.7
(x = 371 ,y = 220 ,z = 4.0): 30.7
(x = 426 ,y = 132 ,z = 4.0): 30.4

LAeq , dzień: wartość największa występuje w punkcie (390,290,4.0)
i wynosi 58.5 dB(A)

Koniec obliczeń