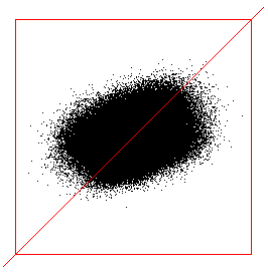
Fattore di Cresta del segnale musicale
Doors : The Doors
di Mario Bon

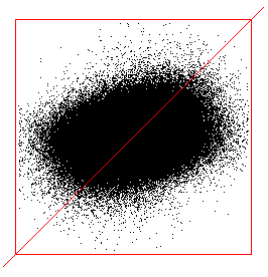
CD dei Doors "The Doors" (Elektra) del 1967. Ristampa del 2007 venduta in allegato a Sorrisi e Canzoni TV. Non è specificato se è stata rimasterizzata ma la qualità risulta ben superiore alla versione rimasterizzata a 24 bit e 96 Khz nell'Agosto 1999 dal master a due tracce. Le figure di Lissajous mostrano i segni della compressione e rare saturazioni nelle tracce 6 e 7. Il fattore di cresta va da 6.51 a 11.47 con un valore tipico di 8-9.

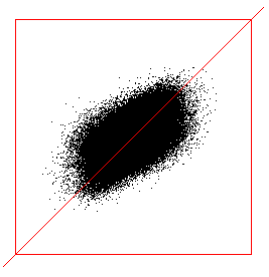
Traccia	CF	Slew rate V/us		
Doors_01	30270	6.66	1.78	
Doors_02	32758	8.97	1.75	
Doors_03	31415	9.83	1.50	
Doors_04	31761	8.90	1.36	
Doors_05	31517	8.58	1.81	
Doors_06	32767	6.51	2.01	< cf min
Doors_07	32767	9.53	1.86	<
Doors_08	31376	8.26	1.02	
Doors_09	31682	7.80	0.66	
Doors_10	31686	6.37	1.44	
Doors_11	32014	11.47	1.93	< cf max

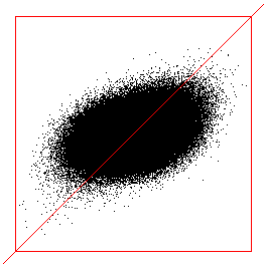
Versione rimasterizzata (per confronto):

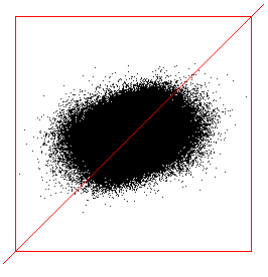
Doors24bit_01	32424	4.08	1.28	<- CF min
Doors24bit_02	32428	4.85	1.28	
Doors24bit_03	32414	6.37	1.21	
Doors24bit_04	32418	5.17	1.22	
Doors24bit_05	32414	6.51	1.29	
Doors24bit_06	32423	4.14	1.62	
Doors24bit_07	32430	4.67	1.55	
Doors24bit_08	32422	4.91	1.61	
Doors24bit_09	32417	6.72	0.86	
Doors24bit_10	32417	4.87	1.47	
Doors24bit_11	32414	6.93	1.54	<- CF max

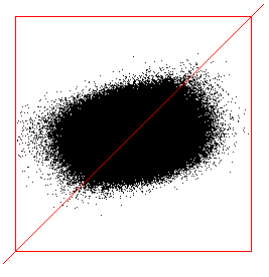

Traccia 1

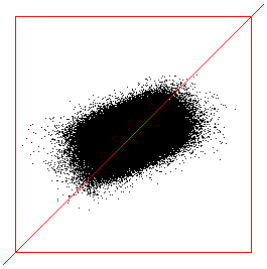

Traccia 2


Traccia 3

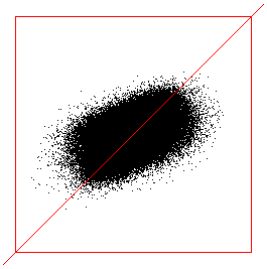

Traccia 4


Traccia 5

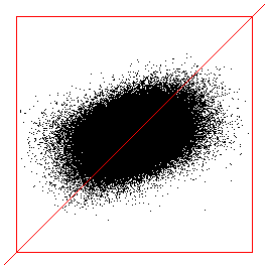

Traccia 6



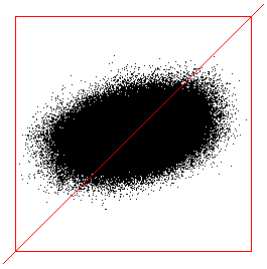
Traccia 7



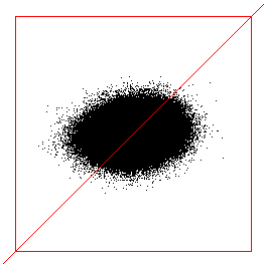
Traccia 8



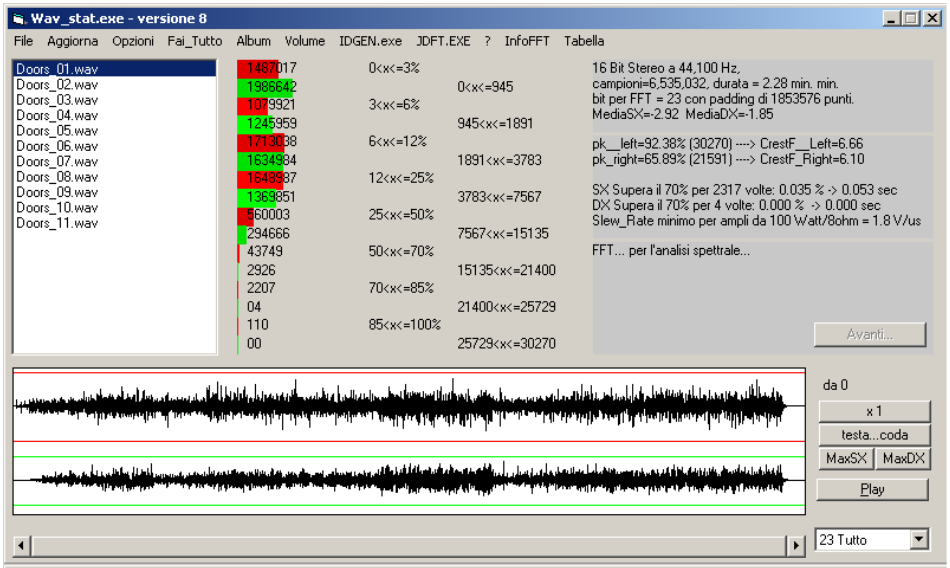
Traccia 9

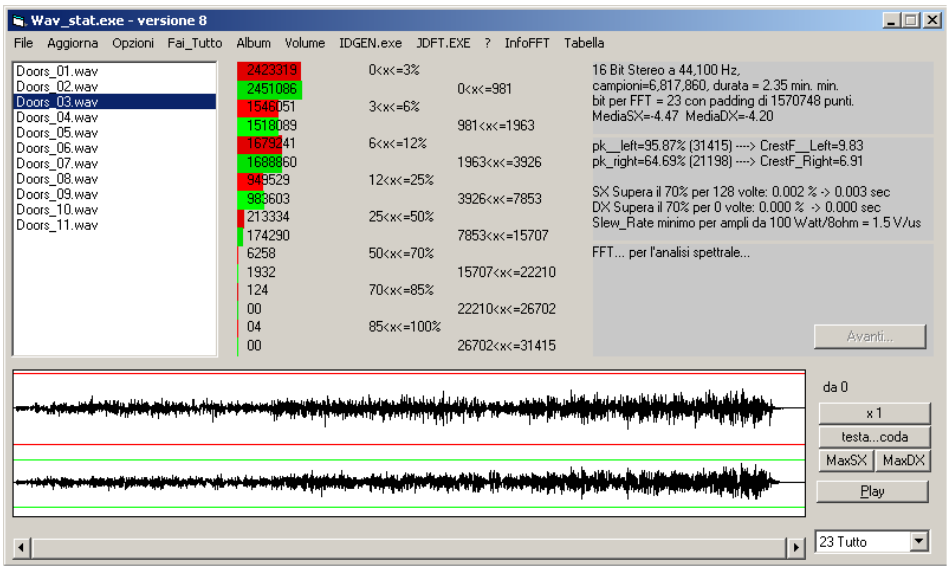


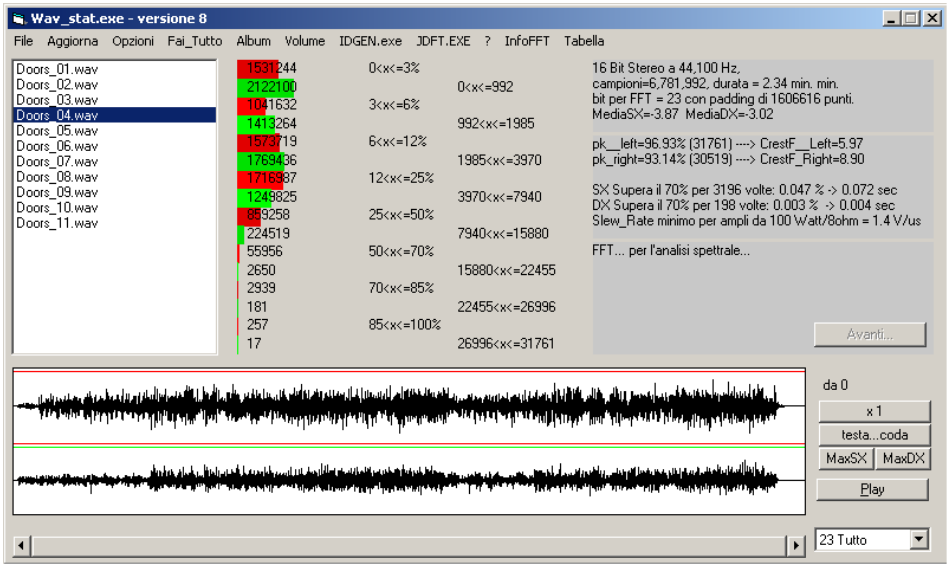
Traccia 10

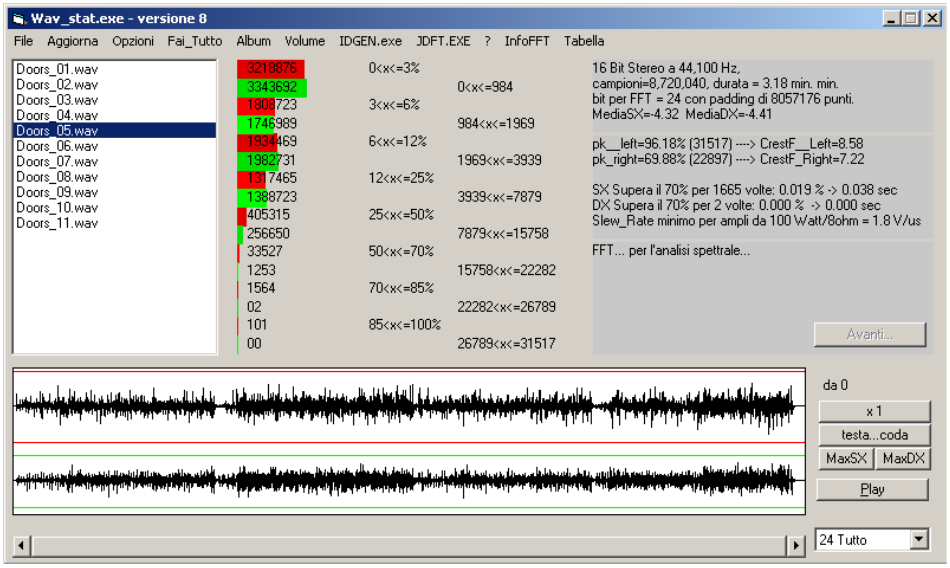


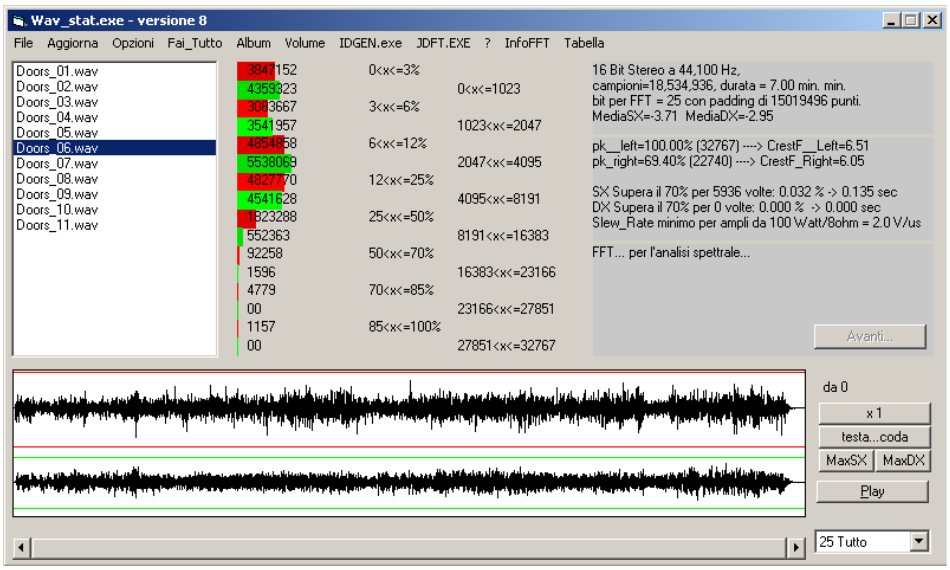
Traccia 11

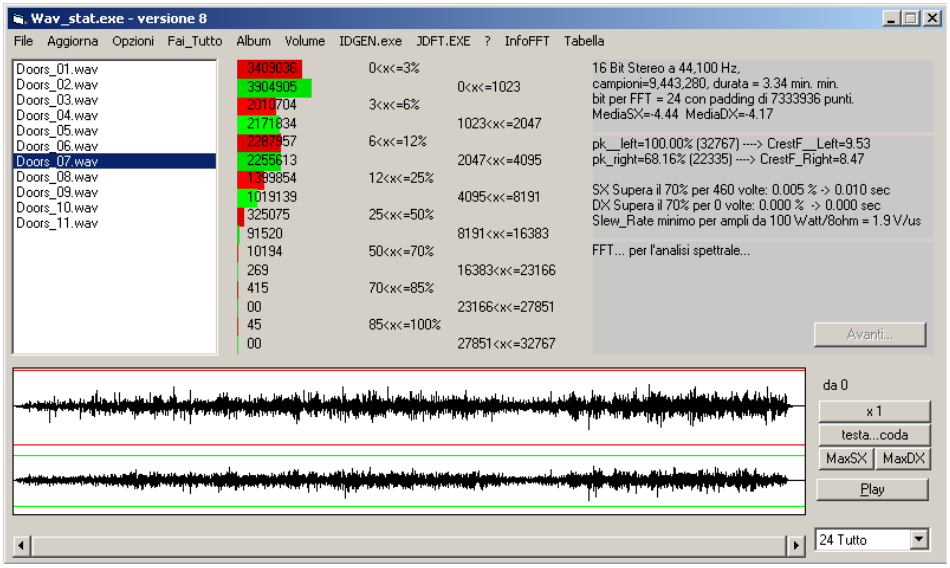


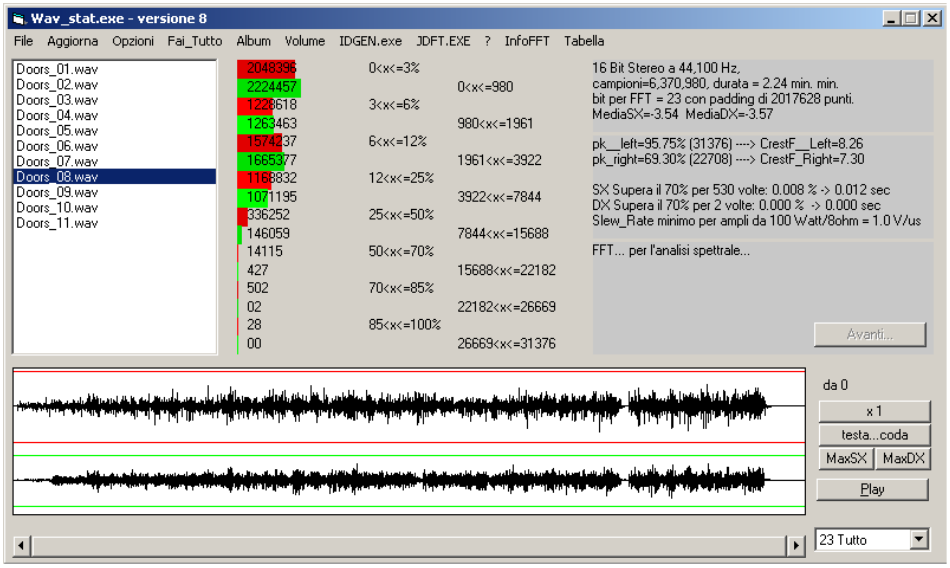

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
2423319 0<x<=3%
2451086 0<x<=981
1546051 3<x<=6%
1519089 981<x<=1963
1679241 6<x<=12%
1698860 1963<x<=3926
949529 12<x<=25%
983603 3926<x<=7853
213334 25<x<=50%
174290 7853<x<=15707
6258 50<x<=70%
1932 15707<x<=22210
124 70<x<=85%
00 22210<x<=26702
04 85<x<=100%
00 26702<x<=31415
16 Bit Stereo a 44,100 Hz,
campioni=6,817,860, durata = 2.35 min. min.
bit per FFT = 23 con padding di 1570748 punti.
MediaSX=-4.47 MediaDX=-4.20
pk_left=95.87% (31415) ----> CrestF_Left=9.83
pk_right=64.69% (21198) ----> CrestF_Right=6.91
SX Supera il 70% per 128 volte: 0.002 % -> 0.003 sec
DX Supera il 70% per 0 volte: 0.000 % -> 0.000 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.5 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
23 Tutto

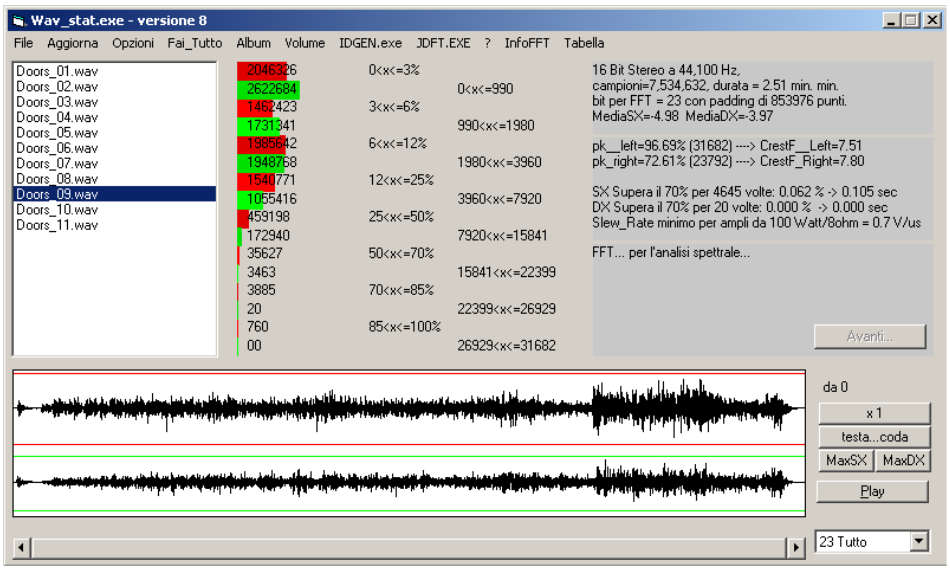

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
1531244 0<x<=3%
2122100 0<x<=992
1041632 3<x<=6%
1413264 992<x<=1985
1573719 6<x<=12%
1769436 1985<x<=3970
1716987 12<x<=25%
1249825 3970<x<=7940
859258 25<x<=50%
224519 7940<x<=15880
55956 50<x<=70%
2650 15880<x<=22455
2939 70<x<=85%
181 22455<x<=26996
257 85<x<=100%
17 26996<x<=31761
16 Bit Stereo a 44,100 Hz,
campioni=6,781,992, durata = 2.34 min. min.
bit per FFT = 23 con padding di 1606616 punti.
MediaSX=-3.87 MediaDX=-3.02
pk_left=96.93% (31761) ----> CrestF_Left=5.97
pk_right=93.14% (30519) ----> CrestF_Right=8.90
SX Supera il 70% per 3196 volte: 0.047 % -> 0.072 sec
DX Supera il 70% per 198 volte: 0.003 % -> 0.004 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.4 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
23 Tutto

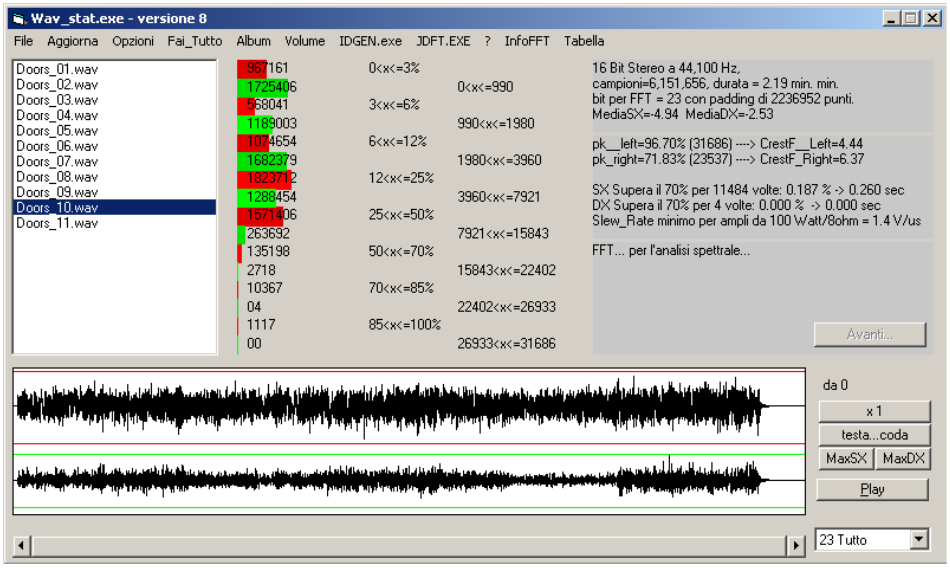

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
3218876 0<x<=3%
3343692 0<x<=984
1808723 3<x<=6%
1746989 984<x<=1969
1934469 6<x<=12%
1982731 1969<x<=3939
1317465 12<x<=25%
1388723 3939<x<=7879
405315 25<x<=50%
256650 7879<x<=15758
33527 50<x<=70%
1253 15758<x<=22282
1564 70<x<=85%
02 22282<x<=26789
101 85<x<=100%
00 26789<x<=31517
16 Bit Stereo a 44,100 Hz,
campioni=8,720,040, durata = 3.18 min. min.
bit per FFT = 24 con padding di 8057176 punti.
MediaSX=-4.32 MediaDX=-4.41
pk_left=96.18% (31517) ----> CrestF_Left=8.58
pk_right=69.88% (22897) ----> CrestF_Right=7.22
SX Supera il 70% per 1665 volte: 0.019 % -> 0.038 sec
DX Supera il 70% per 2 volte: 0.000 % -> 0.000 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.8 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
24 Tutto

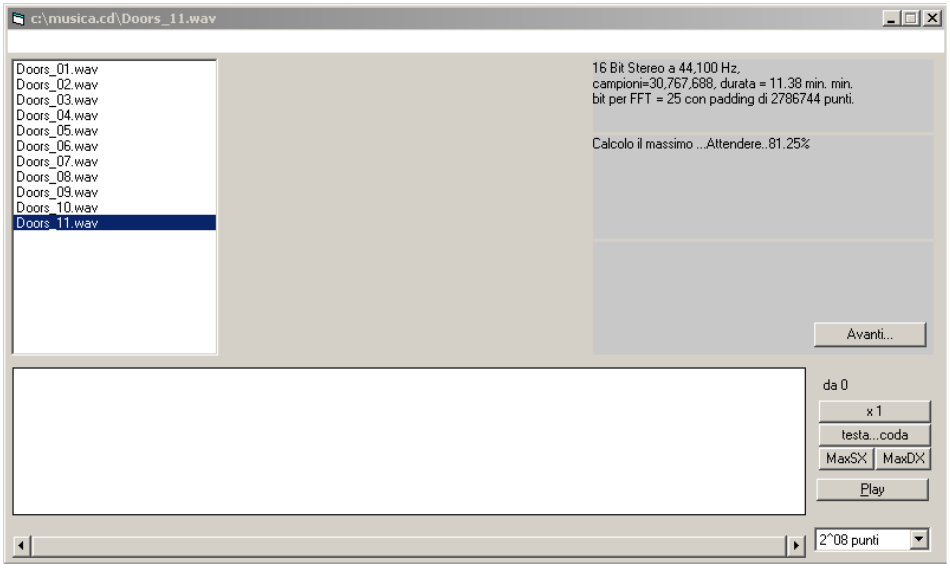

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
3847152 0<x<=3%
4359323 0<x<=1023
3093667 3<x<=6%
3541957 1023<x<=2047
4854858 6<x<=12%
5538069 2047<x<=4095
4827770 12<x<=25%
4541628 4095<x<=8191
1823288 25<x<=50%
552363 8191<x<=16383
92258 50<x<=70%
1596 16383<x<=23166
4779 70<x<=85%
00 23166<x<=27851
1157 85<x<=100%
00 27851<x<=32767
16 Bit Stereo a 44,100 Hz,
campioni=18,534,936, durata = 7.00 min. min.
bit per FFT = 25 con padding di 15019496 punti.
MediaSX=-3.71 MediaDX=-2.95
pk__left=100.00% (32767) ----> CrestF__Left=6.51
pk_right=69.40% (22740) ----> CrestF_Right=6.05
SX Supera il 70% per 5936 volte: 0.032 % -> 0.135 sec
DX Supera il 70% per 0 volte: 0.000 % -> 0.000 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 2.0 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
25 Tutto


Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
3409036 0<x<=3%
3904905 0<x<=1023
2010704 3<x<=6%
2171834 1023<x<=2047
2287957 6<x<=12%
2255613 2047<x<=4095
1389854 12<x<=25%
1019139 4095<x<=8191
325075 25<x<=50%
91520 8191<x<=16383
10194 50<x<=70%
269 16383<x<=23166
415 70<x<=85%
00 23166<x<=27851
45 85<x<=100%
00 27851<x<=32767
16 Bit Stereo a 44,100 Hz,
campioni=9,443,280, durata = 3.34 min. min.
bit per FFT = 24 con padding di 7333936 punti.
MediaSX=-4.44 MediaDX=-4.17
pk__left=100.00% (32767) ----> CrestF__Left=9.53
pk_right=68.16% (22335) ----> CrestF_Right=8.47
SX Supera il 70% per 460 volte: 0.005 % -> 0.010 sec
DX Supera il 70% per 0 volte: 0.000 % -> 0.000 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.9 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
24 Tutto


Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
2048396 0<x<=3%
2224457 0<x<=980
1226618 3<x<=6%
1263463 980<x<=1961
1574237 6<x<=12%
1665377 1961<x<=3922
1168832 12<x<=25%
1071195 3922<x<=7844
336252 25<x<=50%
146059 7844<x<=15688
14115 50<x<=70%
427 15688<x<=22182
502 70<x<=85%
02 22182<x<=26669
28 85<x<=100%
00 26669<x<=31376
16 Bit Stereo a 44,100 Hz,
campioni=6,370,980, durata = 2.24 min. min.
bit per FFT = 23 con padding di 2017628 punti.
MediaSX=-3.54 MediaDX=-3.57
pk__left=95.75% (31376) ----> CrestF__Left=8.26
pk_right=69.30% (22708) ----> CrestF_Right=7.30
SX Supera il 70% per 530 volte: 0.008 % -> 0.012 sec
DX Supera il 70% per 2 volte: 0.000 % -> 0.000 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.0 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
23 Tutto


Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
2046326 0<x<=3%
2622684 0<x<=990
1462423 3<x<=6%
1731341 990<x<=1980
1985642 6<x<=12%
1948768 1980<x<=3960
1540771 12<x<=25%
1055416 3960<x<=7920
459198 25<x<=50%
172940 7920<x<=15841
35627 50<x<=70%
3463 15841<x<=22399
3885 70<x<=85%
20 22399<x<=26929
760 85<x<=100%
00 26929<x<=31682
16 Bit Stereo a 44,100 Hz,
campioni=7,534,632, durata = 2.51 min. min.
bit per FFT = 23 con padding di 853976 punti.
MediaSX=-4.98 MediaDX=-3.97
pk__left=96.69% (31682) ----> CrestF__Left=7.51
pk_right=72.61% (23792) ----> CrestF_Right=7.80
SX Supera il 70% per 4645 volte: 0.062 % -> 0.105 sec
DX Supera il 70% per 20 volte: 0.000 % -> 0.000 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.7 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
23 Tutto


Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
967161 0<x<=3%
1725406 0<x<=990
568041 3<x<=6%
1189003 990<x<=1980
1074654 6<x<=12%
1682379 1980<x<=3960
1823712 12<x<=25%
1288454 3960<x<=7921
1571406 25<x<=50%
263692 7921<x<=15843
135198 50<x<=70%
2718 15843<x<=22402
10367 70<x<=85%
04 22402<x<=26933
1117 85<x<=100%
00 26933<x<=31686
16 Bit Stereo a 44,100 Hz,
campioni=6,151,656, durata = 2.19 min. min.
bit per FFT = 23 con padding di 2236952 punti.
MediaSX=-4.94 MediaDX=-2.53
pk__left=96.70% (31686) ----> CrestF__Left=4.44
pk_right=71.83% (23537) ----> CrestF_Right=6.37
SX Supera il 70% per 11484 volte: 0.187 % -> 0.260 sec
DX Supera il 70% per 4 volte: 0.000 % -> 0.000 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.4 V/us
FFT... per l'analisi spettrale...
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
23 Tutto


c:\musica.cd\Doors_11.wav
Doors_01.wav
Doors_02.wav
Doors_03.wav
Doors_04.wav
Doors_05.wav
Doors_06.wav
Doors_07.wav
Doors_08.wav
Doors_09.wav
Doors_10.wav
Doors_11.wav
16 Bit Stereo a 44,100 Hz,
campioni=30,767,688, durata = 11.38 min. min.
bit per FFT = 25 con padding di 2786744 punti.
Calcolo il massimo ...Attendere..81.25%
Avanti...
da 0
x 1
testa...coda
MaxSX MaxDX
Play
2^08 punti