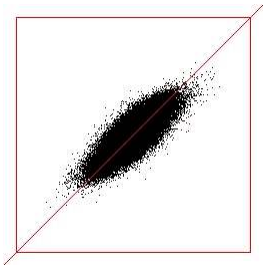
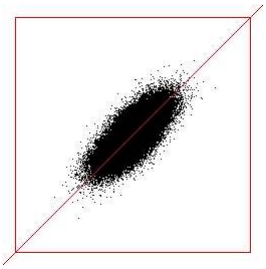
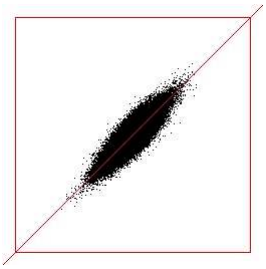
Fattore di Cresta del segnale musicale
Doobie Brothers : Minute by Minute
di Mario Bon

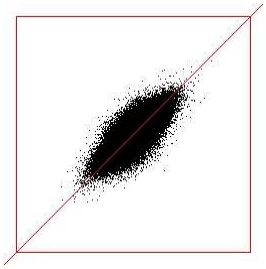
Quella che segue è l'analisi completa del CD dei Doobie Brothers "Minute by Minute" (Warner Bross) del 1978. Le figure di Lissajous mostrano l'assenza di saturazioni ed il buon livello di modulazione. Il fattore di cresta parte da valori vicini a 9 supera il 10 in sei tracce e raggiunge il massimo di 13.58. Si tratta quindi di una incisione con dinamica medio-alta.

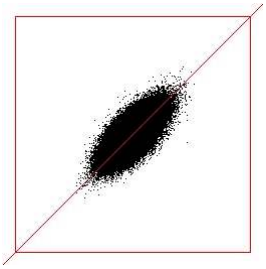
Traccia	CF	Slew rate	
DoobieBross_01.wav	26535	11.10	0.90
DoobieBross_01.wav	26535	11.10	0.90
DoobieBross_02.wav	23186	9.60	0.92
DoobieBross_03.wav	23991	10.42	0.60
DoobieBross_04.wav	23378	9.89	0.97
DoobieBross_05.wav	19807	8.46	0.70 < min cf
DoobieBross_06.wav	22630	9.71	0.72
DoobieBross_07.wav	26942	10.65	1.02
DoobieBross_08.wav	31516	13.58	1.25 < max cf
DoobieBross_09.wav	21344	8.92	0.79
DoobieBross_10.wav	27751	11.24	1.18

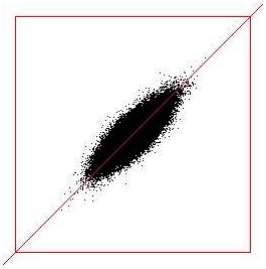

Traccia 1

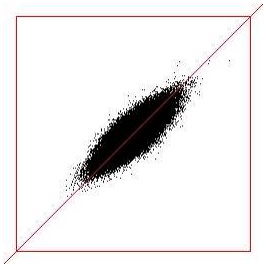

Traccia 2

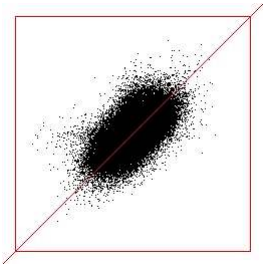

Traccia 3

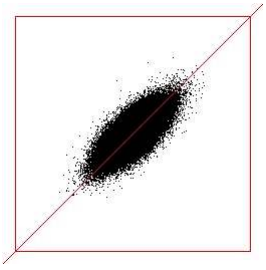

Traccia 4

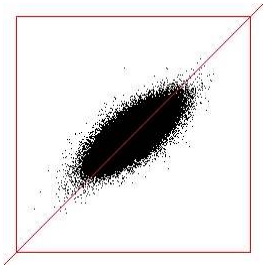

Traccia 5

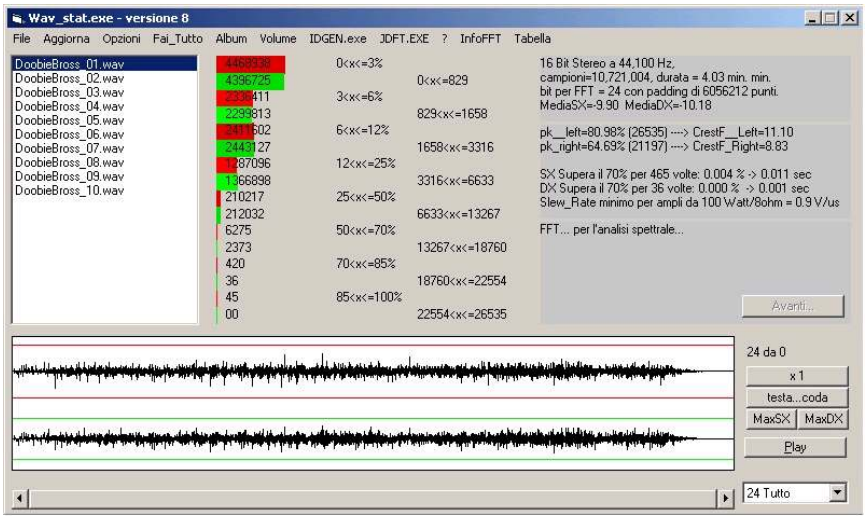

Traccia 6

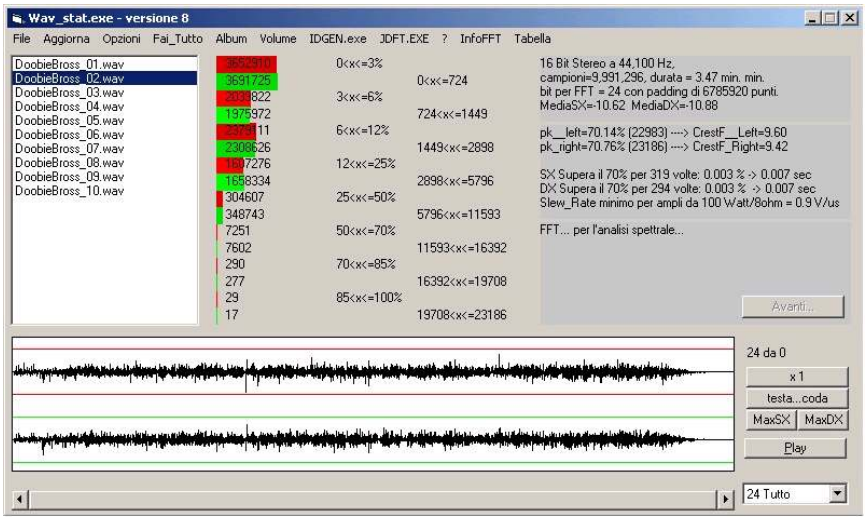

Traccia 7

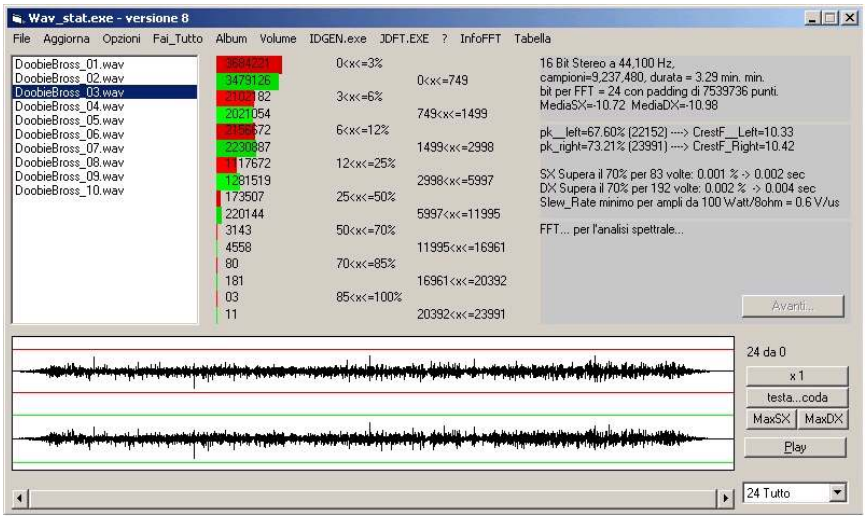

Traccia 8

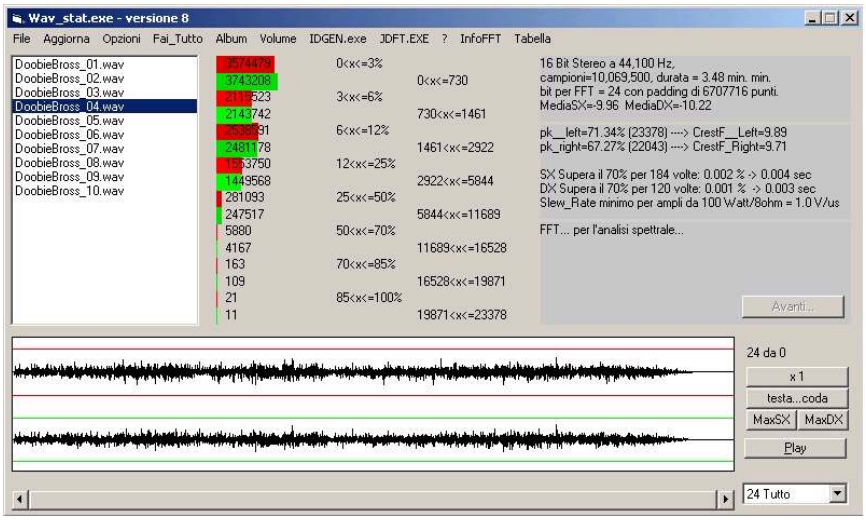

Traccia 9

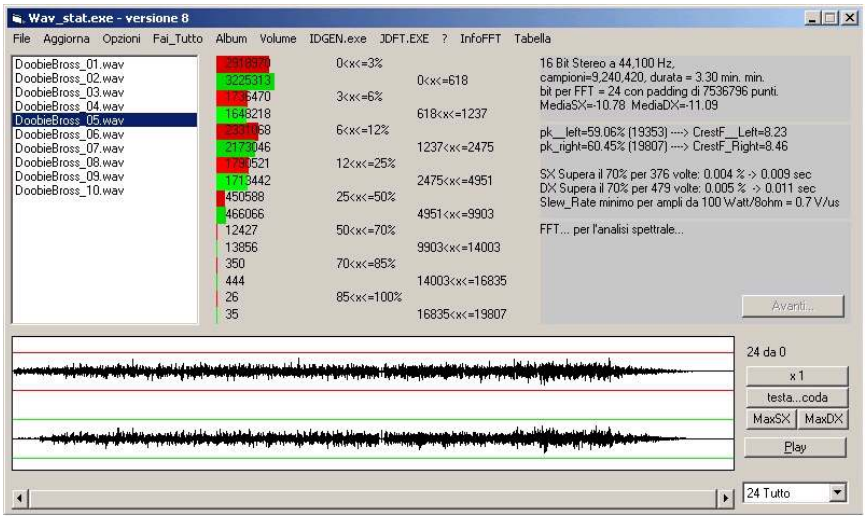

Traccia 10

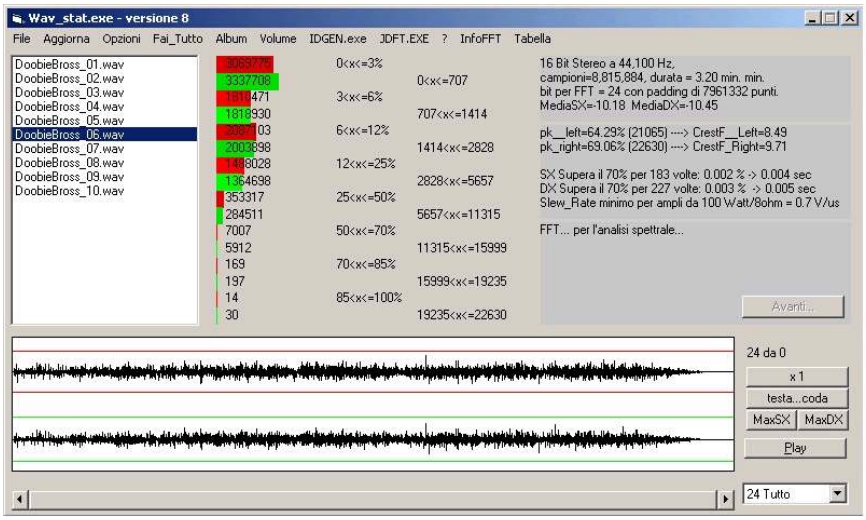

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
4468938
4396725
2239411
2239813
2411602
2443127
1287096
1366898
210217
212032
6275
2373
420
36
45
00
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=829
829<x<=1658
1658<x<=3316
3316<x<=6633
6633<x<=13267
13267<x<=18760
18760<x<=22554
22554<x<=26535
16 Bit Stereo a 44,100 Hz,
campioni=10,721,004, durata = 4.03 min. min.
bit per FFT = 24 con padding di 6056212 punti.
MediaSX=-9.90 MediaDX=-10.18
pk_left=80.98% (26535) ----> CrestF_Left=11.10
pk_right=64.69% (21197) ----> CrestF_Right=8.83
SX Supera il 70% per 465 volte: 0.004 % -> 0.011 sec
DX Supera il 70% per 36 volte: 0.000 % -> 0.001 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.9 V/us
FFT... per l'analisi spettrale...
Avanti...
24 da 0
x 1
testa...coda
MaxSX
MaxDX
Play
24 Tutto

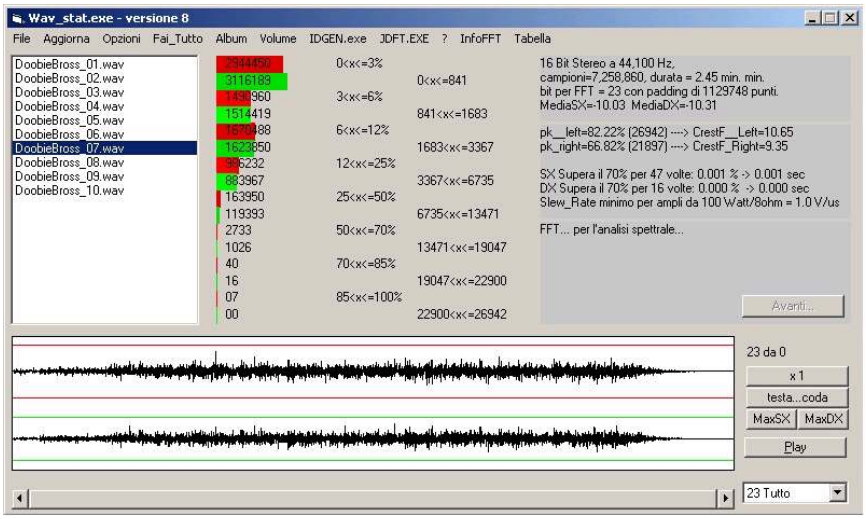

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
3652911
3691725
2334822
1975972
2379111
2308626
1597276
1658334
304607
348743
7251
7602
290
277
29
17
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=724
724<x<=1449
1449<x<=2898
2898<x<=5796
5796<x<=11593
11593<x<=16392
16392<x<=19708
19708<x<=23186
16 Bit Stereo a 44,100 Hz,
campioni=9,991,296, durata = 3.47 min. min.
bit per FFT = 24 con padding di 6785920 punti.
MediaSX=-10.62 MediaDX=-10.88
pk_left=70.14% (22983) ----> CrestF_Left=9.60
pk_right=70.76% (23186) ----> CrestF_Right=9.42
SX Supera il 70% per 319 volte: 0.003 % -> 0.007 sec
DX Supera il 70% per 294 volte: 0.003 % -> 0.007 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.9 V/us
FFT... per l'analisi spettrale...
Avanti...
24 da 0
x 1
testa...coda
MaxSX
MaxDX
Play
24 Tutto

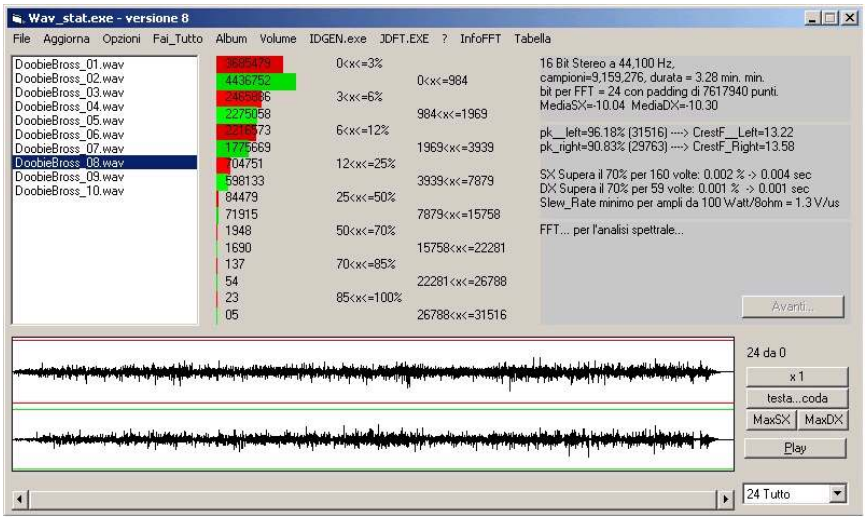

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
3684221
3479126
2102182
2021054
2156672
2230887
1117672
1281519
173507
220144
3143
4558
80
181
03
11
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=749
749<x<=1499
1499<x<=2998
2998<x<=5997
5997<x<=11995
11995<x<=16961
16961<x<=20392
20392<x<=23991
16 Bit Stereo a 44,100 Hz,
campioni=9,237,480, durata = 3.29 min. min.
bit per FFT = 24 con padding di 7539736 punti.
MediaSX=-10.72 MediaDX=-10.98
pk_left=67.60% (22152) ----> CrestF_Left=10.33
pk_right=73.21% (23991) ----> CrestF_Right=10.42
SX Supera il 70% per 83 volte: 0.001 % -> 0.002 sec
DX Supera il 70% per 192 volte: 0.002 % -> 0.004 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.6 V/us
FFT... per l'analisi spettrale...
Avanti...
24 da 0
x 1
testa...coda
MaxSX
MaxDX
Play
24 Tutto

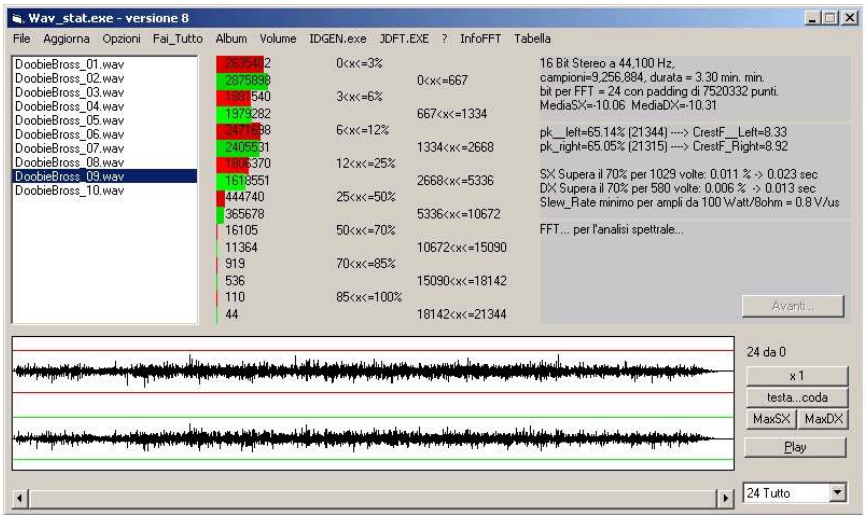

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
3574479
3743208
2117523
2143742
2538291
2481178
1553750
1449568
281093
247517
5880
4167
163
109
21
11
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=730
730<x<=1461
1461<x<=2922
2922<x<=5844
5844<x<=11689
11689<x<=16528
16528<x<=19871
19871<x<=23378
16 Bit Stereo a 44,100 Hz,
campioni=10,069,500, durata = 3.48 min. min.
bit per FFT = 24 con padding di 6707716 punti.
MediaSX=-9.96 MediaDX=-10.22
pk_left=71.34% (23378) ----> CrestF_Left=9.89
pk_right=67.27% (22043) ----> CrestF_Right=9.71
SX Supera il 70% per 184 volte: 0.002 % -> 0.004 sec
DX Supera il 70% per 120 volte: 0.001 % -> 0.003 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.0 V/us
FFT... per l'analisi spettrale...
Avanti...
24 da 0
x 1
testa...coda
MaxSX
MaxDX
Play
24 Tutto

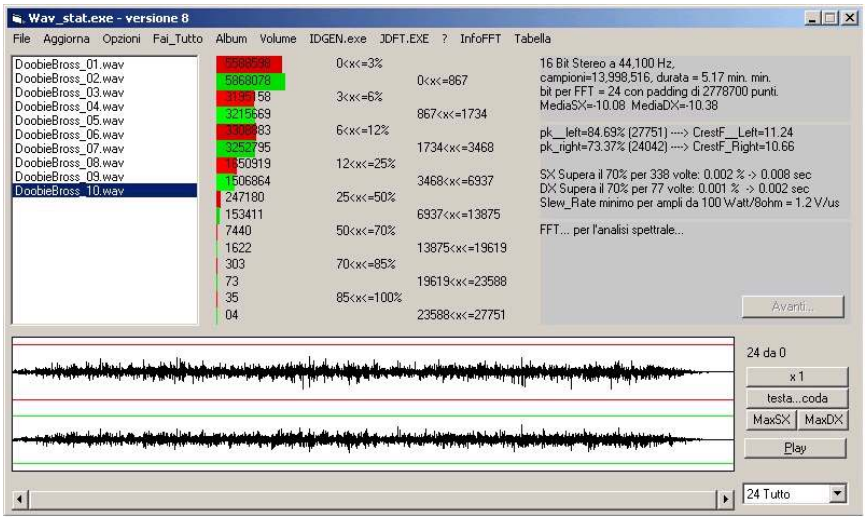

Wav_stat.exe - versione 8
File Aggiorna Opzioni Fai_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
2918970
3225313
1736470
1648218
2331068
2173046
1730521
1713442
450588
466066
12427
13856
350
444
26
35
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=618
618<x<=1237
1237<x<=2475
2475<x<=4951
4951<x<=9903
9903<x<=14003
14003<x<=16835
16835<x<=19807
16 Bit Stereo a 44,100 Hz,
campioni=9,240,420, durata = 3.30 min. min.
bit per FFT = 24 con padding di 7536796 punti.
MediaSX=-10.78 MediaDX=-11.09
pk_left=59.06% (19353) ----> CrestF_Left=8.23
pk_right=60.45% (19807) ----> CrestF_Right=8.46
SX Supera il 70% per 376 volte: 0.004 % -> 0.009 sec
DX Supera il 70% per 479 volte: 0.005 % -> 0.011 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.7 V/us
FFT... per l'analisi spettrale...
Avanti...
24 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
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
3069775
3337708
1810471
1818930
2087103
2003898
1478028
1364698
353317
284511
7007
5912
169
197
14
30
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=707
707<x<=1414
1414<x<=2828
2828<x<=5657
5657<x<=11315
11315<x<=15999
15999<x<=19235
19235<x<=22630
16 Bit Stereo a 44,100 Hz,
campioni=8,815,884, durata = 3.20 min. min.
bit per FFT = 24 con padding di 7961332 punti.
MediaSX=-10.18 MediaDX=-10.45
pk_left=64.29% (21065) ----> CrestF_Left=8.49
pk_right=69.06% (22630) ----> CrestF_Right=9.71
SX Supera il 70% per 183 volte: 0.002 % -> 0.004 sec
DX Supera il 70% per 227 volte: 0.003 % -> 0.005 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.7 V/us
FFT... per l'analisi spettrale...
Avanti...
24 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
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
2344450
3116189
1430960
1514419
1670388
1623850
956232
883967
163950
119393
2733
1026
40
16
07
00
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=841
841<x<=1683
1683<x<=3367
3367<x<=6735
6735<x<=13471
13471<x<=19047
19047<x<=22900
22900<x<=26942
16 Bit Stereo a 44,100 Hz,
campioni=7,258,860, durata = 2.45 min. min.
bit per FFT = 23 con padding di 1129748 punti.
MediaSX=-10.03 MediaDX=-10.31
pk_left=82.22% (26942) ----> CrestF_Left=10.65
pk_right=66.82% (21897) ----> CrestF_Right=9.35
SX Supera il 70% per 47 volte: 0.001 % -> 0.001 sec
DX Supera il 70% per 16 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...
23 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
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
3685479
4436752
2485086
2275058
2216573
1775669
704751
598133
84479
71915
1948
1690
137
54
23
05
0<x<=3%
3<x<=6%
6<x<=12%
12<x<=25%
25<x<=50%
50<x<=70%
70<x<=85%
85<x<=100%
0<x<=984
984<x<=1969
1969<x<=3939
3939<x<=7879
7879<x<=15758
15758<x<=22281
22281<x<=26788
26788<x<=31516
16 Bit Stereo a 44,100 Hz,
campioni=9,159,276, durata = 3.28 min. min.
bit per FFT = 24 con padding di 7617940 punti.
MediaSX=-10.04 MediaDX=-10.30
pk_left=96.18% (31516) ----> CrestF_Left=13.22
pk_right=90.83% (29763) ----> CrestF_Right=13.58
SX Supera il 70% per 160 volte: 0.002 % -> 0.004 sec
DX Supera il 70% per 59 volte: 0.001 % -> 0.001 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.3 V/us
FFT... per l'analisi spettrale...
Avanti...
24 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
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
2875412 0<x<=3%
2875898 0<x<=667
1991540 3<x<=6%
1979282 667<x<=1334
2471398 6<x<=12%
2405531 1334<x<=2668
1916370 12<x<=25%
1618551 2668<x<=5336
444740 25<x<=50%
365678 5336<x<=10672
16105 50<x<=70%
11364 10672<x<=15090
919 70<x<=85%
536 15090<x<=18142
110 85<x<=100%
44 18142<x<=21344
16 Bit Stereo a 44,100 Hz,
campioni=9,256,884, durata = 3.30 min. min.
bit per FFT = 24 con padding di 7520332 punti.
MediaSX=-10.06 MediaDX=-10.31
pk_left=65.14% (21344) ----> CrestF_Left=8.33
pk_right=65.05% (21315) ----> CrestF_Right=8.92
SX Supera il 70% per 1029 volte: 0.011 % -> 0.023 sec
DX Supera il 70% per 580 volte: 0.006 % -> 0.013 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.8 V/us
FFT... per l'analisi spettrale...
Avanti...
24 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
DoobieBross_01.wav
DoobieBross_02.wav
DoobieBross_03.wav
DoobieBross_04.wav
DoobieBross_05.wav
DoobieBross_06.wav
DoobieBross_07.wav
DoobieBross_08.wav
DoobieBross_09.wav
DoobieBross_10.wav
5588598 0<x<=3%
5868078 0<x<=867
3195158 3<x<=6%
3215669 867<x<=1734
3308383 6<x<=12%
3252795 1734<x<=3468
1550919 12<x<=25%
1506864 3468<x<=6937
247180 25<x<=50%
153411 6937<x<=13875
7440 50<x<=70%
1622 13875<x<=19619
303 70<x<=85%
73 19619<x<=23588
35 85<x<=100%
04 23588<x<=27751
16 Bit Stereo a 44,100 Hz,
campioni=13,998,516, durata = 5.17 min. min.
bit per FFT = 24 con padding di 2778700 punti.
MediaSX=-10.08 MediaDX=-10.38
pk_left=84.69% (27751) ----> CrestF_Left=11.24
pk_right=73.37% (24042) ----> CrestF_Right=10.66
SX Supera il 70% per 338 volte: 0.002 % -> 0.008 sec
DX Supera il 70% per 77 volte: 0.001 % -> 0.002 sec
Slew_Rate minimo per ampli da 100 Watt/8ohm = 1.2 V/us
FFT... per l'analisi spettrale...
Avanti...
24 da 0
x 1
testa...coda
MaxSX
MaxDX
Play
24 Tutto