

Coverage for **audio_calculations_test.py**: 100%

57 statements

57 run

0 missing

0 excluded

```
1 | from audio_calculations import audio_calculations as ac
2 |
3 |
4 | #One Channel 24-bit Wave File
5 | def test_One_24():
6 |     a = ac('testfiles/SineWave.wav')
7 |     info = a.select_file()
8 |     assert 48000 == info[1]
9 |     assert 1 == info[2]
10 |
11 |     assert -9.1 == round(info[3],1)
12 |
13 |     assert -6.0 == round(info[4],1)
14 |
15 | #One Channel 16-bit wave file
16 | def test_One_16():
17 |     a = ac('testfiles/BabyElephantWalk60.wav')
18 |     info = a.select_file()
19 |     assert 22050 == info[1]
20 |     assert 1 == info[2]
21 |
22 |     assert -23.1 == round(info[3],1)
23 |
24 |     assert -5.3 == round(info[4],1)
25 |
26 | #One Channel 8-bit wave file
27 | def test_One_8():
28 |     a = ac('testfiles/taunt.wav')
29 |     info = a.select_file()
30 |     assert 22257 == info[1]
31 |     assert 1 == info[2]
32 |
33 |     assert -12.1 == round(info[3],1)
34 |
35 |     assert 0.6 == round(info[4],1)
36 |
37 | #Two Channel - 24-bit Flac file
38 | def test_Two_24_flac():
39 |     a = ac('testfiles/2_Channel_24_48_minus6db.flac')
40 |     info = a.select_file()
41 |     assert 48000 == info[1]
42 |     assert 2 == info[2]
43 |
44 |     assert -4.8 == round(info[3],1)
```

```
45
46 |     assert -0.6 == round(info[4],1)
47
48 | #Two Channel - 24-bit Wave file
49 | def test_Two_24():
50 |     a = ac('testfiles/2_Channel_24_48_minus6db.wav')
51 |     info = a.select_file()
52 |     assert 48000 == info[1]
53 |     assert 2 == info[2]
54
55 |     assert -4.8 == round(info[3],1)
56
57 |     assert -0.6 == round(info[4],1)
58
59 | #Two Channel - 16-bit Wave file
60 | def test_Two_16():
61 |     a = ac('testfiles/Adele.wav')
62 |     info = a.select_file()
63 |     assert 44100 == info[1]
64 |     assert 2 == info[2]
65
66 |     assert -8.5 == round(info[3],1)
67
68 |     assert -0.4 == round(info[4],1)
69
70 | #Two Channel - 24-bit mp4 file
71 | def test_Two_24_mp4():
72 |     a = ac('testfiles/2_Channel_24_48_minus6db.mp4')
73 |     info = a.select_file()
74 |     assert 44100 == info[1]
75 |     assert 2 == info[2]
76
77 |     assert -5.0 == round(info[3],1)
78
79 |     assert -0.4 == round(info[4],1)
80
81 | #Six Channel - 24-bit wave file
82 | def test_Six_24_Wave():
83 |     a = ac('testfiles/6_Channel_White_Noise.wav')
84 |     info = a.select_file()
85 |     assert 48000 == info[1]
86 |     assert 6 == info[2]
87
88 |     assert -0.2 == round(info[3],1)
89
90 |     assert -0.1 == round(info[4],1)
```