

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

50 statements

50 run

0 missing

0 excluded

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

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

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