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## K-Meter

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Implementation of a K-System meter according to Bob Katz' specifications

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## FLAC-compressed wave file (44.1 kHz, 16 bit, stereo)

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Please verify readout of stereo meter programmatically.

00:00.000 - 00:02.000 silence

00:02.000 - 00:05.000 sine waves (1 kHz)  
left channel: -12.00 dB FS peak (100 %)  
right channel: muted ( 0 %)  
[stereo meter should read -1.00]

00:05.000 - 00:07.000 silence

00:07.000 - 00:10.000 sine waves (1 kHz)  
left channel: -12.00 dB FS peak (100 %)  
right channel: -18.02 dB FS peak ( 50 %)  
[stereo meter should read -0.50]

00:10.000 - 00:12.000 silence

00:12.000 - 00:15.000 sine waves (1 kHz)  
left channel: -12.00 dB FS peak (100 %)  
right channel: -12.00 dB FS peak (100 %)  
[stereo meter should read 0.00]

00:15.000 - 00:17.000 silence

00:17.000 - 00:20.000 sine waves (1 kHz)  
left channel: -18.02 dB FS peak ( 50 %)  
right channel: -12.00 dB FS peak (100 %)  
[stereo meter should read +0.50]

00:20.000 - 00:22.000 silence

00:22.000 - 00:25.000 sine waves (1 kHz)  
left channel: muted ( 0 %)  
right channel: -12.00 dB FS peak (100 %)

[stereo meter should read +1.00]

00:25.000 - 00:27.000 silence

#### Validation settings

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File: stereo\_meter.flac  
**Host SR: 44 100 Hz**  
Channel: All  
Display: ☐ Average meter level  
☐ Peak meter level  
☐ Maximum peak level  
☒ Stereo meter value  
☐ Phase correlation