

LetsLearnDSP

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Chapter 1

File Index

1.1 File List

Here is a list of all files with brief descriptions:

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Chapter 2

File Documentation

2.1 C:/Users/hamis/Documents/Dev/AudioDevelopment/LetsLearn↵ DSP/src/lldsp.h File Reference

```
#include <cmath>
```

Functions

- float [tanhDistortion](#) (float sample, float gain)
Applies tanh waveshaping to a signal on a per sample basis.

2.1.1 Function Documentation

2.1.1.1 tanhDistortion()

```
float tanhDistortion (  
    float sample,  
    float gain )
```

Applies tanh waveshaping to a signal on a per sample basis.

Parameters

<i>sample</i>	
<i>gain</i>	

Returns

float

2.2 lldsp.h

[Go to the documentation of this file.](#)

```
1 #ifndef _LLDSP_LIB_
2 #define _LLDSP_LIB_
3
4 #include <cmath>
5
6
14 float tanhDistortion(float sample, float gain) {
15     return std::tanh(sample * gain);
16 }
17
18
19 #endif
```


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