

have to import the data sets manually, when the type (case) of bongo signal is chosen, the particular data will be imported automatically by the function.

Tips For Using This Function

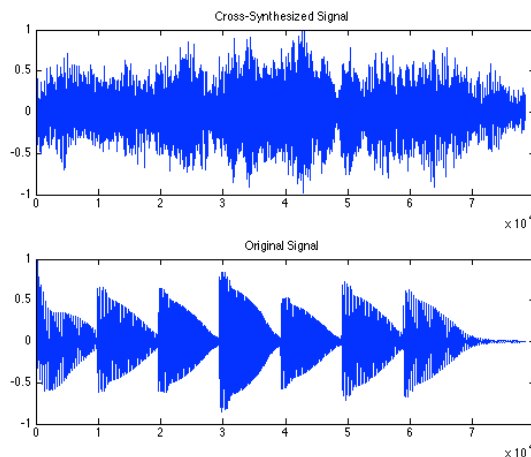
For achieving extreme (noticeable) effect, set the p1 and p2 up to at least 200. In addition, the higher the amount of distortion gain, the longer each note will sustain. For reverb alike effect, set p2 way higher than p1, e.g. p1=5 , p2=10000

Example

Transform between the input synth bass wave file and the fuzz synth excitation signal (case 6), into a synthesized sound that sounds like a distorted bell with false reverb (due to high resonance)

```
[inwave fs] = wavread('bass.wav');  
xy = lpcdistort(inwave, 10000, 300, 1, 6, 10000);
```

This function outputs the affected signal as a data vector, a wave file written to disk, a playback function in matlab, as well as a plot that compares the xy (output signal) with the inwave (input signal).



Reference

Matlab Code

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See Also

lpc, filter, freqz, wavread, sound, sign, exp, max, abs, switch