

Listening to Crypto

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Hi All,

I am giving a talk that includes some discussion on crypto.

Instead of showing a typical figure of plaintext versus ciphertext, I was wondering if one could "listen" to encrypted music.

For example, take B's Sonata (an mp3) and AES encrypt it.

Play the plaintext version and then play the encrypted version.

One could also look at the graphic equalizer and should see quite a difference in the output.

My only problem is this, I am not sure this is a sound comparison, but was having a tough time convincing myself why not.

Shouldn't an encrypted file take music which has beautiful melodic properties and turn that into mush?

The equalizer may be a stretch, but again it seems that for a demo this shouldn't be so far fetched.

Has anyone ever done this (all of the special characters from the songs encrypt may blow it!)?

Any thoughts?

P.S. Can someone take a classical piece, AES encrypt it and send me the files? I'd appreciate that.

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