

Re: podcasts?

Source: <http://sci.tech-archive.net/Archive/sci.lang.japan/2005-07/msg00795.html>

- *From:* Sean <canyoukillfileme@idon'tcare.com>
 - *Date:* Tue, 12 Jul 2005 17:44:06 GMT
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On 7/12/05 4:15 AM, "Curt Fischer" typed:

> someone wrote:

>

>> That is correct too, but can you show me the difference between a 196
>> kbps MP3 and the original ? Because frankly I don't hear it, so I don't
>> care at all.

>

> I'm not sure what sampling rate the usual mp3 is at, but in a
> side-by-side comparison IME it is easy to tell the mp3 from the
> uncompressed source by listening to high end sounds like e.g. the
> cymbals or snare. I can't say that I get hung up on this issue or even
> notice it outside the context of a side-by-side comparison though.

>

> For language learning its probably not that important, at least for
> Japanese.

The usual MP3 has a sample rate of 44.1 khz. This is exactly the same as red book standard CD audio. Audio sampled at 44.1 khz reproduces frequencies up to 22.05 khz (that's half of the sample rate, in case you didn't notice). Human beings generally can't hear frequencies above that, although some folks say even the unheard higher frequencies have some effect on the quality (tone, colour) of the sound.

MP3 compression involves a much more complicated process than simple hacking away at the waveform. When you say you can perceive the difference between CD audio and MP3 by some difference in the high-end, I'd say you might be misinterpreting the difference you hear.

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- *Follow-Ups:*
 - ◆ ***Re: podcasts?***
 - ◇ *From:* Curt Fischer
 - ◆ ***Re: podcasts?***
 - ◇ *From:* LBJ

- *References:*

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- ◆ **podcasts?**
 - ◇ *From:* d3ntaku@xxxxxxxxx
- ◆ **Re: podcasts?**
 - ◇ *From:* Curt Fischer
- ◆ **Re: podcasts?**
 - ◇ *From:* Cindy
- ◆ **Re: podcasts?**
 - ◇ *From:* Curt Fischer
- ◆ **Re: podcasts?**
 - ◇ *From:* me
- ◆ **Re: podcasts?**
 - ◇ *From:* Curt Fischer
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 - ◇ *From:* someone
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 - ◇ *From:* Gabor Farkas
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 - ◇ *From:* someone
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 - ◇ *From:* Curt Fischer

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