

Re: Reduce numbers to one number

Source: <http://sci.tech-archive.net/Archive/sci.math/2006-02/msg00379.html>

- *From:* stush@xxxxxxxxxxxxxxxx
 - *Date:* 2 Feb 2006 12:21:38 -0800
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Socrates wrote:

.> Socrates wrote:

Hello –

.> > An image of 500 x 375 pixels appears at www.amw1.com – there are

187,500 pixels which results in 187,500 numbers or characters.

..>

Something doesn't seem right here. I went to that site, but couldn't find the image you are looking for.

The image is on the home page as soon as you enter the site.

This is the url:

http://www.amw1.com/images/Capture_00953-front.jpg

It is the central image on the web page and is 145,750 bytes, ie 145 kb.

This image can be converted to a text file and zipped down to under 1kb.

A recipient of that text file can reproduce the image from the contents of the text file. Any text file containing 187,500 characters (ie bytes) can be zipped to under 1kb.

It has nothing to do with jpg compression – it is just a simple fact.

You do realize this is a 24 bit image?

"there are 187,500 pixels which results in 187,500 numbers or characters."

Re: Reduce numbers to one number

Which characters? Each pixel can have a value from 0 to 16,777,215. How are you mapping 16,777,215 possible pixels to 256 possible characters. And why are you comparing a image with 16,777,216 colors to one with apparently 256?

Also that particular jpg has the quality-to-compression parameter set nearly to highest quality/lowest compression. By changing that setting to something more typical, the jpg is now around 37,070 bytes. And that's still using 16,777,216 colors.

Anyway, I re-read your post and now I think this is a gag post. You definitely don't understand what a text file is, or are pretending to.

Your 187.5:1 compression ratio is also absurd.

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