
Subject: Re: read 12 bit array

Posted by [lecacheux.alain](#) on Thu, 31 Mar 2011 15:00:38 GMT

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On 31 mar, 15:52, Wox <s...@nomail.com> wrote:

> Hi all,

>

> Does anyone have an idea how to read a 12bit array from a file (not

> ASCII, just a binary dump).

>

> Thanks,

>

> Wout

Read it as [3,N] byte array b, if the file contains an array of 2*N 12 bits words.

Then transform the result to an integer (16 bits) array by `b = fix(b, 0, 3, N)`

Finally concatenate the first and last bytes of each triple with corresponding half parts of the middle byte, that is :

`[b[0,*] or (ishft(b[1,*] and '0F'x,8), ishft(b[2,*],4) or ishft((b[1,*] and 'F0'x), -4)]`

You should get your 12 bits array packed in a 16-bits array of same size.

alx.
