
Subject: Float procedure

Posted by [Charlie Solomon](#) on Tue, 01 Dec 1998 08:00:00 GMT

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Hi,

Can anyone shed some light on how this byte array is converted into a floating point number?

```
two_words = bytarr(4)
```

```
two_words = [244, 232, 165, 64]
```

```
IDL> print, two_words, format = '(z)'
```

```
  f4
```

```
  e8
```

```
  a5
```

```
  40
```

```
IDL> print, float(two_words, 0)
```

```
2.13062e-038
```

On my computer at work (NT4, x86) I get a different value...5.18469

Here at home (Win98, x86) I get this really small number....

```
IDL> print, !version
```

```
{ x86 Win32 Windows 5.1.1 Jul 20 1998}
```

Thanks in advance,

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