

## What's new in colorForth : cf2022

Today I am launching colorForth **cf2022** “sparsely-skated” – there are a lot of changes, hopefully most of them for the better :

- The font is now in ASCII order, even though Shannon-Fano encoded names are still used internally.
- Byte addresses are used throughout, all magic numbers have been replaced by equ's
- The cf2022.nasm code is now better documented. It is not yet perfect
- The user experience is more comfortable, most of the original apps now work again
- cf2022 has four tasks (threads) in a co-operative multi-tasking system
  1. **main** task handles the keyboard/keypad
  2. **show** task displays on the screen and the two server tasks
  3. **serv1** and
  4. **serv2** are there to handle serial and Ethernet comms.
- A new App: **staks** shows the stack usage for all four tasks (threads).
- A new Word **chm** (**check MD5**) shows the MD5 hash for blocks 64 to 127, the system blocks. This checks that the colorForth system has been copied onto the USB stick correctly. The current system shows “**EWUROPC**”.

You can download colorForth cf2022, together with Bochs for running it under Windows here:  
[https://www.inventio.co.uk/cf2022\\_Issue\\_2022Apr08.7z](https://www.inventio.co.uk/cf2022_Issue_2022Apr08.7z)

More colorForth options here:  
<https://www.inventio.co.uk/colorforth/>

Enjoy!

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*Note : “sparsely-skated” is the NumName – two English words created from a 32768 word list, based on 30 bits of the MD5 Hash of the cf2022Ref.img file.  
See <https://www.inventio.co.uk/Cweedexe.htm> for details.*