System Engineering

VS 1011E-S MP3 Audio-Decoder-IC, SPI, 1-Kanal, SO-28

FT 245 RL Bus-Controller, USB-FIFO, SSOP-28

FT 245 BL: Bus-Controller, USB-FIFO, LQFP-32 bei reichelt elektronik

PCF 8583 T Uhr/Kalender-IC mit 240 x 8-Bit-RAM, 2,5 ... 6V, SO-8

DS 3231 S Echtzeituhr, Uhr/Kalender, SO-16

LPC1769FBD100 ARM®Cortex®-M3 MCU, 32-Bit, 3,3V, 512 KB, 120MHz, LQFP-100

STM32WB55CCU6 ARM-Cortex®-M4F+M0 MCU, 32 bit, 1,71-3,6 V, 256 KB,UFQFPN-48

STM32WB55RGV6 ARM-Cortex®-M4F+M0 MCU, 32 bit, 1,71-3,6 V, 1 MB, VFQFPN-68

24FJ16GA004-IPT PICmicro Mikrocontroller, 16-Bit, 2,0-3,6 V, 16 KB, TQFP-44

Erweiterte FLASH-Microcontroller mit ECAN und XLP (exTream-Low_energy= mit 13nAmper SleepModus

8BIT:=2,84€ | 64MHz / 3 => 21,333MHz

- 8*2=5,68€ | 128MHz | 42,667MHz
- 8*3=8,52€ | 192MHz | 64MHz
- 8*4=11,36€ | 256MHz | 85,333MHz
- 8*5=14,20€ | 320MHz (MAX:MP3) | 106,67
- 8*6=17,04€ | 384MHz | 128MHz
- 8*7=19,88€ | 448MHz | 149,333MHz

- 8*8=22,72€ | 512MHz | 170,667MHz

32 Bit Single-MCU | 4*8 v (5*8)-(1*8)

PIC 18F46K80-IPT 8-Bit-PICmicro Mikrocontroller, 64 KB, 64 MHz, TQFP-44

30009941J.pdf

Fatboy Slim - Beats for Love 2017 | Electronic Dance Music

Was machen Compiler und Linker ? – ET-Tutorials.de

PIC 16F917-I/PT MCU, PICmicro, 14 KB, 20 MHz, TQFP-44

MobileFirst

3552x12=42624/8=5328/37=144

MICROSERVICES

- (37x12=444)
- (148x24)/8=444

3552/2,4=1480/37=40

aaronson-lecture.jpg (2048×2048)

GitHub - h5n1xp/CuriOS: Simple GUI based Operating System - Based upon my own Microcokernel, heavily inspired by the original 1980s AmigaOS (though somewhat simpler).

GitHub - h5n1xp/SDL_3D: A simple 3D graphics library to run on top of SDL 2.x primarily without 3D acceleration hardware

GitHub - Fengwills / Fat12

Core C++ 2021 :: Bjarne Stroustrup :: Thriving in a crowded and changing world: C++ 2006-2020

System Management Using Embedded Interfaces - Hitachi Vantara Knowledge

1163 Interface paper_low.pdf

BBC Micro User - Volume 01 - No 01 (1983-03)(Database Publishing)(GB) : Free Download, Borrow, and Streaming : Internet Archive

A Guide to Using RSS to Replace Social Media – Luke Smith

Memory Management Unit – Wikipedia

TEI: Text Encoding Initiative

The Architecture of Open Source Applications: LLVM

Auch die Deutschen Wiki-Artikel sind sehr informativ.

- MS Paint seit Win 3.xx
- Paint.NET seit 2003/2004
- Monade / PowerShell

Jeffrey Snover: „It was a mistake to think that GUIs ever would, could, or even should, eliminate CLIs."

Paint.NET – Wikipedia

Microsoft Paint – Wikipedia

Monad (functional programming) - Wikipedia

Jeffrey Snover Promoted to Microsoft Technical Fellow -- Redmondmag.com

PowerShell – Wikipedia

GitHub - PowerShell/PowerShell: PowerShell for every system!

Home Page

Mathematical Style (Stanford Encyclopedia of Philosophy)

Lesson Directory | Programming Historian

Pixel-Art – Wikipedia

PowerShell – XML Dateien schreiben, lesen und bearbeiten – Active Directory, Exchange, Office 365, PowerShell und mehr...

The SSet interface represents a sorted set of elements. An SSet stores elements from some total order, so that any two elements x and y can be compared. In code examples, this will be done with a method called compare(x,y)

The standard for accessing and processing XML documents is the XML Document Object Model or DOM. The DOM represents elements, attributes and text within elements as nodes in a tree.

Robustness: The Web contains servers that create spider traps, which are gen erators of web pages that mislead crawlers into getting stuck fetching an infinite number of pages in a particular domain. Crawlers must be de signed to be resilient to such traps. Not all such traps are malicious; some are the inadvertent side-effect of faulty website development

This seemingly simple recursive traversal of the web graph is complicated by the many demands on a practical web crawling system: the crawler has to be distributed, scalable, efficient, polite, robust and extensible

page 445

Open Data Structures: An Introduction

Introduction to Information Retrieval

20.2.1 Crawler architecture

The simple scheme outlined above for crawling demands several modules that fit together as shown in Figure 20.1.

1. The URL frontier, containing URLs yet to be fetched in the current crawl (in the case of continuous crawling, a URL may have been fetched previ ously but is back in the frontier for re-fetching). We describe this further in Section 20.2.3.

2. A DNS resolution module that determines the web server from which to fetch the page specified by a URL. We describe this further in Section 20.2.2.
3. A fetch module that uses the http protocol to retrieve the web page at a URL.

4. A parsing module that extracts the text and set of links from a fetched web page.

5. A duplicate elimination module that determines whether an extracted link is already in the URL frontier or has recently been fetched.

Suppose,the Web had four billion pages, with ten links to other pages. we require 32 bits or 4 bytes

$4 \times 10^9 \times 10 \times 8 = 3.2 \times 1011$ bytes of memory

ADAfaEPoV.pdf

Data Science at the Command Line, 1e

sysadmin-handbook-best-of-simple-talk.pdf

Think Data Structures: Algorithms and Information Retrieval in Java

stream processing

Bewerber Web

Duale Studiengänge | Deutsche Bundesbank

Gasthörerschaft

bfloat16 (BF16) range and precision

Monodromie – Wikipedia

Digitales Zentralbankgeld – Wikipedia

Lipschitzstetigkeit – Wikipedia

JavaFX – Wikipedia

Banachraum – Wikipedia

Object vs. File vs. Block Storage: What's the Difference? | IBM

PerfectoidSpaces.pdf

History of Symbian OS – Smart Zeros

Themenbereiche der Ausbildung zur BuchbinderIn in der Einzel- und Sonderfertigung

Schneier on Security: The Solitaire Encryption Algorithm

Maverick - The Operating System

Bootstrap + Partion Structure Data
The Structure of the MBR Sector, design, looks like the journaling FAT System !!
Ganz Ähnlich dem grundkonzept von Prion! mit zwei Prozessen, denen quasie eine beliebige Anzahl von Threads generiert werden kann.

Dieses FAT Journaling ist technisch per flash rom wie über einen Cach (L1 / L2) system konzipiert, unter der verwendung der USB Protocols.

Wodurch das SystemRouting wie ein USB HUB organisiert wird.

Maverick - The Operating System

Full Adder in Digital Logic - GeeksforGeeks

Using Fetch - Web APIs | MDN

Snark (graph theory) - Wikipedia

Zeichencodierung – SELFHTML-Wiki