WorkSpace

2005 XML for BioInformatics Seite 4++

1999 SGMLundXML

1995 Recherchieren und Publizieren im WWW

1993 Die 32Bit expedition Win32

2011 Technische Informatik Seite28++

- intel 4004...x86 und Motorla 68xx

2014 Algorithmen und Datenstrukturen

- kap.3 Arrays, Folgen
- kap.4 Hashtabellen und assoziative Arrays

2016 C++-Metaprogrammierung

- Präprozessor- und Tamplate- Metaprogrammierung

2016 EmbeddedController

- kap.2 die ARM Cortex M3 und M4 Kerne
- kap.3 Betriebssysteme
- kap.4.2 Speicherarchitekturen
- kap.5 ZEIT
- kap.6 Synchronisation
- kap.7 (HOST) Kommunikation

2017 Betriebssysteme

2017 Betriebssysteme Kompakt

- 3.8.3 Hybride Kerne - Win NT 4 1996 - enthält der Betriebssystemkern das Grafiksystem,,,ReactOS, OS X, ZETA, Plan9...
- 4.1 Von Neumann-Architektur S.41
  4.1.2 Von Neumann Zyklus
- 4.4.1 Register

- 4.4.2 CACHE
  L1= 4KB - 256KB
  L2= 256<4MB
  L3= 1MB / 16MB
  z.B: nutzt das BIOS 24Bits für CHS-ADD 10/8/6
  und Parallel ATA (PATA) 28 Bits 16/4/8
- Solidstate - FLASH: NOR & NAND(SLC=1bit, MLC=2bit, TLC=3bit,QLC=4bit)

Nokia X platform - Wikipedia

Nokia X Platform Overview | Nokia Developer

Standorte und Kontakt | Nokia

On Nokia feature phones it was replaced by Opera browser in early 2015.

Internet Explorer Mobile 6 is included with Windows Mobile 6.5 and Zune HD. Internet Explorer Mobile 7 is included with Windows CE 7. Internet Explorer Mobile 9 is included with Windows Phone. Each version has the same Trident rendering engine as its desktop counterpart, but with additional improvements.

The new version of Internet Explorer Mobile was released with Windows Phone 8.1 Update.

- Internet Explorer Mobile 11, the last version that was supported, is based on the desktop version of Internet Explorer 11 and came with Windows Phone 8.1.
- On 18 May 2016, FIH Mobile announced the purchase of Microsoft Mobile's feature phone business.
- FIH Mobile is now manufacturing new Nokia-branded devices developed by HMD.

Nokia Xpress - Wikipedia

Internet Explorer Mobile - Wikipedia

Microsoft Mobile - Wikipedia

Foxconn - Wikipedia

An APK file is an archive that usually contains the following files and directories:
lib: the directory containing the compiled code that is platform dependent; the directory is split into more directories within it:

- armeabi-v7a: all ARMv7 and above
- arm-64-v8a: all ARMv8 arm64…
- x86: ….compiled Code x86 co-processor
- mips and armeabi deprecated … NDK r17
- usw…
- resource.arsc: a file containing precompiled resources, such as binary XML for example.

META-INF directory:
MANIFEST.MF - the certificate of the application
CERT.SF The List of resources and a SHA-1 digest of the corresponding lines in the MANIFEST.MF file…*The term is borrowed from a cargo shipping procedure, where a ship manifest would list the crew and/or cargo of a vessel.*

CHFS vs. UBIFS: Unsorted Block Image File System

- UBIFS stores indexes in flash wheresa JFFS2 stores FS indexes in memory
- on-the-fly Data compression

But: *consumer SSDs already make sure to not use the same physical blocks for writing modified data*

Android application package - Wikipedia

Manifest file - Wikipedia

Assembly-Manifeste - Win32 apps | Microsoft Docs

HTML Standard

Windows Phone 8.1 - Wikipedia

Windows Phone 8.1 allows apps to view all files stored on a WP device and move, copy, paste and share the contents of a device's internal file system.

- 802.11b/g and Bluetooth (802.11n is optional)
- Support for micro-USB 2.0
- min. 4GB FLASH & 512 MB RAM for W-VGA
- min. 1 GB RAM by 720p/W-XGA/1080p

As the project's motto
("Of course it runs NetBSD") suggests, NetBSD has been ported to a large number of 32- and 64-bit architectures.

- the NetBSD kernel requires the presence of an MMU in any given target architecture.
- Symmetric MultiProcessing: NetBSD has supported SMP since the NetBSD 2.0 release in 2004
- STORAGE: NetBSD includes many enterprise features like iSCSI, a journaling filesystem, logical volume management and the ZFS filesystem. The bio(4) interfce for vendor-agnostic RAID volume management has been available since 2007. In Nov. 2011, the CHFS Flash memory filesystem was inported.
- First releases 20.4.1993-20.8.1993 to Ver.8.0 17.7.2018 and Ver. 9.0 14.Feb.2020

NetBSD - Wikipedia

QUICC - Wikipedia

MQX - Wikipedia

- MQX (Message Queue eXecutive)
- QUICC (Quad Integrated Communications Controller).

The RapidIO Specification Revision 3.1, released in October 2014, was developed through a collaboration between the RapidIO Trade Association and NGSIS. Revision 3.1 has the following enhancements compared to the 3.0 specification:

- MECS time synchronisation portocol
- PRBS standart register interface
- Structural Asymmetric Link & Std. Register Interfaace
- Extendet error log
- Space device profiles for endpoints and switches

- global deployment of cellular infrastructure 3G, 4G & LTE networks with mill. of RapidIO ports shipped into wireless base stations worldwide. originally designed to support connecting different types of processors from different manufacturers together in a single system.
- the widespread use in wireless infrastructure equipment where there is a need to combine heterogeneous, DSP, FPGA and communication processors together in a tightly coupled system with low latency and high reliability.

PowerQUICC - Wikipedia

QorIQ - Wikipedia

RapidIO - Wikipedia

CHFS - Wikipedia

UBIFS - Wikipedia

IBM AIX - Wikipedia

IBM ROMP - Wikipedia

Reverse-engineering the Mali G78

fitchett.pdf

Eine Nachricht anzeigen | juris Das Rechtsportal

Gray Code -- from Wolfram MathWorld

FreedomBox - Wikipedia

Rössler attractor - Wikipedia

Flow of a Space Vector Field

Stirlingformel – Wikipedia

Internet2 Cloud Connect Upgrades Microsoft Azure ExpressRoute to 100G Connections - Internet2

.NET Conf: Focus on F#

Android & iOS Apps with Xamarin | .NET

Let's Learn .NET | .NET Live TV

Let's Learn .NET - F#

Professional Graphics Controller - Wikipedia

Datenintegration von Wolfram und Microsoft Excel

Lean (proof assistant) - Wikipedia

Recommender system - Wikipedia

Web Browser Engineering

Arithmetic coding - Wikipedia

I2C in a Nutshell | Interrupt

Synchronized output streams in C++20

High-Level Synthesis For RISC-V

Design of the FAT file system - Wikipedia

Syllogismus – Wikipedia

Linked list - Wikipedia

The Architecture of Open Source Applications: LLVM

Advanced Disc Filing System - Wikipedia

LLVM vs. JVM | LL wird im Spanischen als J gesprochen im gegenzug wird im Spanischen das J wie ein CH verbalisiert!
Des Weiteren wird in der Programmierung von C, bei der Compilierung von PSION bzw. Symbion die Classen deklaration mit einem L bzw. L_ begonnen!!!

IR:= as Irrational Domain is like a FILE! Then, the REAL (MODE) Domain is the Address (Space)
This is the LLVM PASS FUNKTION bzw. Scriptprogramming. It starts on an IR Domain, which could practised in a simple .txt file but later will convert under the LLVM FrontEND to Optimisation and linking throuh .o files to .ll files and so on! At the end - it will output an .out FILE

Liquid Time | Liquid Space

- using namespace llvm;
  namespace{
  struct xyz : public FunctionPass{
  static char ID;
  xyz() : FunktionPass(ID) {}
  ...
  }; end of struct xyz
  } //end of anonymus namespace
-

Variable Time | Metric Space

- char xyz :: ID=0;
  static RegisterPass<xyz> X("xyz", "hallo", false, false);
- static RegisterStandardPasses Y(
  PassManagerBuilder::

Die Macht der Geschichten und Narrative – Wissenschaftskommunikation.de

File Allocation Table - Wikipedia

Die aktuelle Ausgabe

Writing an LLVM Pass — LLVM 13 documentation

C/C++ Header files sind art-verwandt mit HEADER des FAT System!

Clock is a more efficient version of FIFO than Second-chance because pages don't have to be constantly pushed to the back of the list, but it performs the same general function as Second-Chance. The clock algorithm keeps a circular list of pages in memory, with the "hand" (iterator) pointing to the last examined page frame in the list. When a page fault occurs and no empty frames exist, then the R (referenced) bit is inspected at the hand's location. If R is 0, the new page is put in place of the page the "hand" points to, and the hand is advanced one position. Otherwise, the R bit is cleared, then the clock hand is incremented and the process is repeated until a page is replaced

- GCLOCK
- Clock-Pro
- WSclock
- CAR :: Clock with Adaptive Replacement

CLOCK is a conservative algorithm, so it is (k/(k-h+1))-competitive

Working set is a concept which defines the amount of memory that a process requires in a given time interval.

OpenZFS Developer Summit 2020 talks - OpenZFS

Adaptive replacement cache - Wikipedia

Page replacement algorithm - Wikipedia

Working set - Wikipedia

Locality of reference - Wikipedia

Plattformökonomie Einführung HolgerSchmidt

History of Microsoft Windows (Windows 1.0 - 10)

Evolution of PCs

NEC UltraLite - Wikipedia

Evolution of Laptops - YouTube

File systems (FAT, FAT8, FAT16, FAT32 and NTFS) explained

USB Endpoints

These rules apply to all microcontroller devices:

- A device can have up to 16 OUT and 16 IN endpoints.
- Each endpoint can have only one transfer direction.
- Endpoint 0 is used for control transfers only and can not be assigned to any other function.
- OUT always refers to the direction pointing from the host to the device.
- IN always refers to the direction pointing towards the host.

USB devices report their attributes using descriptors, which are data structures with a defined format. Each descriptor begins with a byte-wide field containing the total number of bytes in the descriptor followed by a byte-wide field identifying the descriptor type.

When an USB device is attached to the USB bus, the host uses a process known as bus enumeration to identify and configure the device.

USB Communication

USB Descriptors