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| Author(s)  Title | | First name Last name  Title of the Thesis |
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|  | | |
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Appendices

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# Reference

## turing machine ?

## Arrow Memory trends in semiconductor industry

## Micron memory market 2018 and beyond

Alexey Mylnikov

## Tuxera about

https://www.tuxera.com/products/

## permanent storage ?

https://learning.oreilly.com/library/view/advances-in-non-volatile/9780857098030/

## hierarchy concept of file system ?

## practical file system design

Dominic Giampaolo

## file system operations ?

## CD file system ISO 9660 ?

https://www.iso.org/standard/17505.html

## NTFS ?

## APFS introduced in High Sierra ?

## Ext4 ?

## Littlefs README ?

## MOSFET, floating-gate MOSFET, flash memory ?

## Fujio Masuoka invented flash memory ?

## Size of flash cell ?

## Market report for SLC, MLC and TLC NAND ?

## MOSFET operation (some physics book) ?

## Hard disk mechanical part ?

## Quantum tunneling ?

14p15

## Hot Electron Injection ?

14p16

## Max P/E cycles in SLC and MLC

## Datalight wear leveling article

## Average number of files in a file system

## POSIX

## C99 flexible array

## Man sha1sum

## SPANSION chip datasheet

## WiringPi lib

## NAND vs NOR flash

14p35,54

## Lib FUSE

# Figure

## Memory market bit demand forcast

## example file system structure with files and directories

## mkfs program

## format usb on windows

## color tag for files and directories in MacOSX GUI with APFS support

## direct block mapping

## indirect and double indirect block mapping

## a MOSFET

## floating MOSFET

## SLC MLC TLC p18 SD

## <https://www.youtube.com/watch?v=s7JLXs5es7I> 2:59

## <https://www.youtube.com/watch?v=s7JLXs5es7I> 3:20

## Shift in threshold voltage p18 NAND technology pdf

## Datalight heat map bad

## Datalight heat map good

## FAT erase count

## Files order in traditional FS

## Files order in log FS

## Raspi connection

# Listing

# Table

## GPIO SPI pins

Abbreviation

FS

OS

FSCK

RAM

BSD FFS

BFS

Ext2

FAT

GUI

MOSFET

SLC

IC

MLC

P/E

SPI

SPINFS

POSIX

API

Question for Language Instructor:

* Equation counting
* Monospace for “struct spinfs\_raw\_inode”
* Format for Code listing
* Some references from association rather than individual

Fig

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List

Table

Todo

Fixme

???

References

Details of the references are given here. Use the referencing system required in your degree programme or as agreed with your supervisor.

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