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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 ?

## hierarchy concept of file system ?

## practical file system design

Dominic Giampaolo

## file system operations ?

## CD file system ISO 9660 ?

## 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) ?

## Flash cell operations ?

## Quantum tunneling ?

## Hot Electron Injection ?

## Max P/E cycles in SLC and MLC

## Datalight wear leveling article

# 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

Listing

Abbreviation

FS

OS

MKFS

FSCK

RAM

BSD FFS

BFS

Ext2

FAT

MOSFET

SLC

IC

MLC

P/E

References

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