

II.1. Principles of computers

- Turing, 1936 „On computable numbers...”
- Neumann, 1945 „First Draft of a Report on the EDVAC”
- Turing 1946 Automatic Computing Engine
 - these papers influenced each other, forming a base for what are known as Neumann principles
 - stored (flexible) program, binary system, use of integers, fixed point and floating point numbers and two's complement
 - basic architecture (processor, memory, buses)
- Turing 1950 „Computing machinery and intelligence”

Computers From First Principles

Yi Pan, Laurence Tianruo Yang



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