SoC-NTM (T-DNC/NTM-SoC)

QueenField

1. Mechanics

2. Information

2.1. Bit

2.2. Logic Gate

2.3. Combinational Logic

2.4. Finite State Machine

2.5. Pushdown Automaton

3. Neural Network

3.1. Feedforward Neural Network

3.2. Long Short Term Memory Neural Network

3.3. Transformer Neural Network

4. Turing Machine

4.1. Neural Turing Machine

4.1.1. Feedforward Neural Turing Machine

4.1.2. LSTM Neural Turing Machine

4.1.3. Transformer Neural Turing Machine

4.2. Differentiable Neural Computer

4.2.1. Feedforward Differentiable Neural Computer

4.2.2. LSTM Differentiable Neural Computer

4.2.3. Transformer Differentiable Neural Computer

5. Computer Architecture

5.1. von Neumann Architecture

5.1.1. Control Unit

5.1.2. ALU

5.1.3. Memory Unit

5.1.4. I/O Unit

5.2. Harvard Architecture

5.2.1. Control Unit

5.2.2. ALU

5.2.3. Memory Unit

5.2.4. I/O Unit

6. Advanced Computer Architecture

6.1. Processing Unit

6.1.1. SISD

6.1.2. SIMD

6.1.3. MISD

6.1.4. MIMD

6.2. System on Chip

6.2.1. Bus on Chip

6.2.2. Network on Chip