Chess Neural Network Architecture (3D View)

Input: $19 \times 8 \times 8$

BatchNorm + ReLU

Initial Conv $3 \times 3 \times 128$

Residual Block 1

Residual Block 2

Residual Block 10

Value Head

BatchNorm + ReLU

Value Conv $1 \times 1 \times 32$

Feature Map: $128 \times 8 \times 8$

Policy Head

BatchNorm + ReLU

Policy Conv $1 \times 1 \times 32$

Flatten: $32 \times 8 \times 8 = 2048$

FC-256 + ReLU

FC-128 + ReLU

FC-1

tanh

Policy Output

(Implementation details not shown)

Evaluation: [-1, 1]