CNN+Optical Flow Model

Nvidia Model

YUV Images

Conv1 + ReLU + Max-Pool
↓
Conv2 + ReLU + Max-Pool
↓
Conv3 + ReLU + Max-Pool
↓
Conv4 + ReLU
↓
Conv5 + ReLU
↓
FC1 + ReLU
↓
FC2 + ReLU
↓
FC3 + ReLU
↓
FC4

Optical Flow Images

Conv1 + ReLU + Max-Pool
↓
Conv2 + ReLU + Max-Pool
↓
Conv3 + ReLU + Max-Pool
↓
Conv4 + ReLU
↓
Conv5 + ReLU
↓
FC1 + ReLU
↓
FC2 + ReLU
↓
FC3 + ReLU
↓
FC4
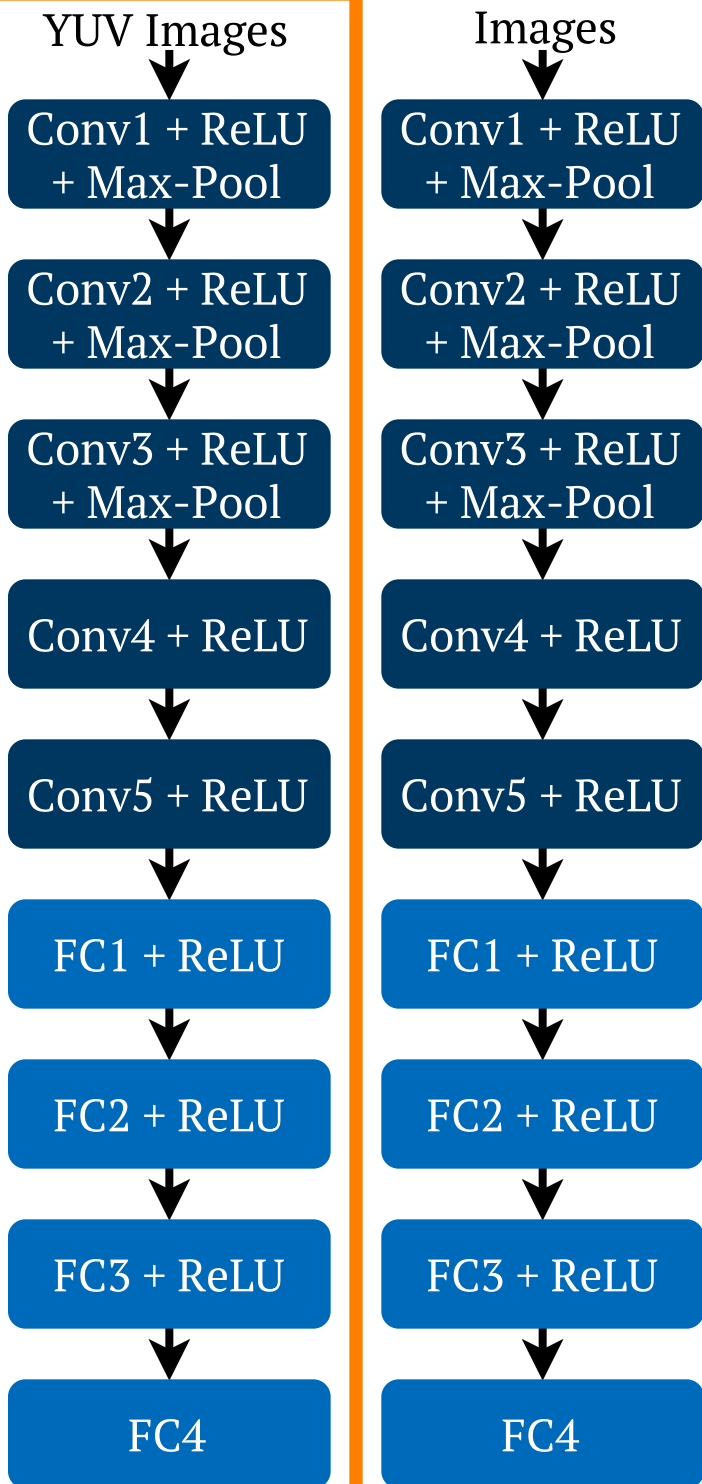
CNN+Optical Flow+LSTM Model

YUV Images

Conv1 + ReLU + Max-Pool
↓
Conv2 + ReLU + Max-Pool
↓
Conv3 + ReLU + Max-Pool
↓
Conv4 + ReLU
↓
Conv5 + ReLU

Optical Flow Images

Conv1 + ReLU + Max-Pool
↓
Conv2 + ReLU + Max-Pool
↓
Conv3 + ReLU + Max-Pool
↓
Conv4 + ReLU
↓
Conv5 + ReLU

↓

LSTM Cell
↓
FC1