

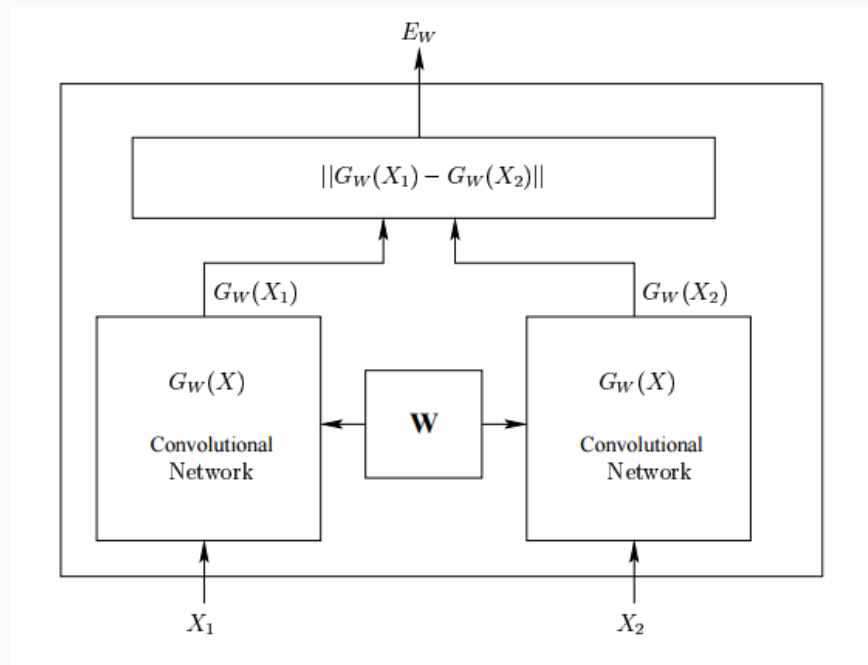
ПРОГРАММИРОВАНИЕ CUDA C/C++,
АНАЛИЗ ИЗОБРАЖЕНИЙ И DEEP
LEARNING

Лекция №11



Спасёнов Алексей

Сиамские сети



<http://yann.lecun.com/exdb/publis/pdf/chopra-05.pdf>

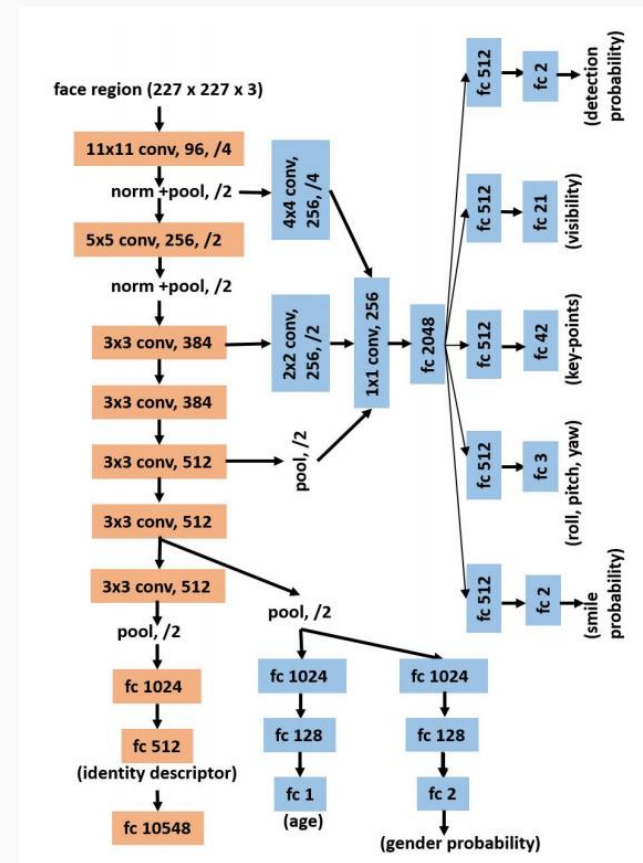


AT&T Database of Faces

An All-In-One Convolutional Neural Network for Face Analysis

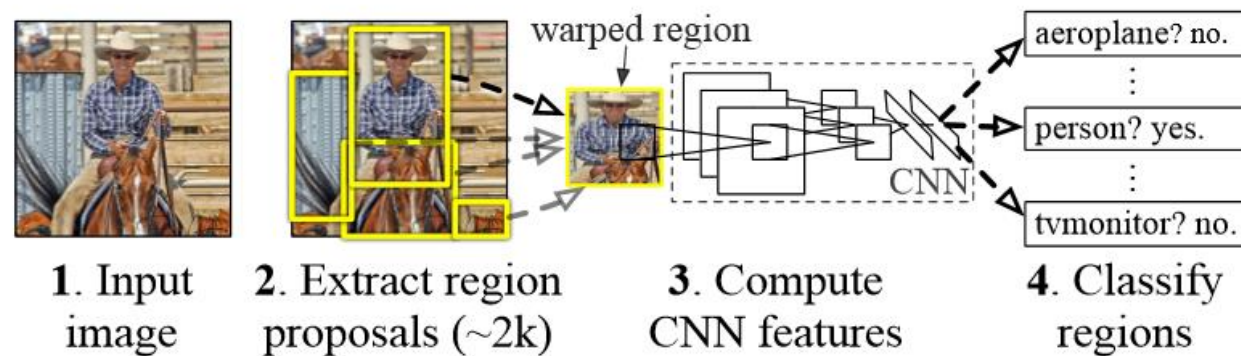


<https://arxiv.org/pdf/1611.00851v1.pdf>



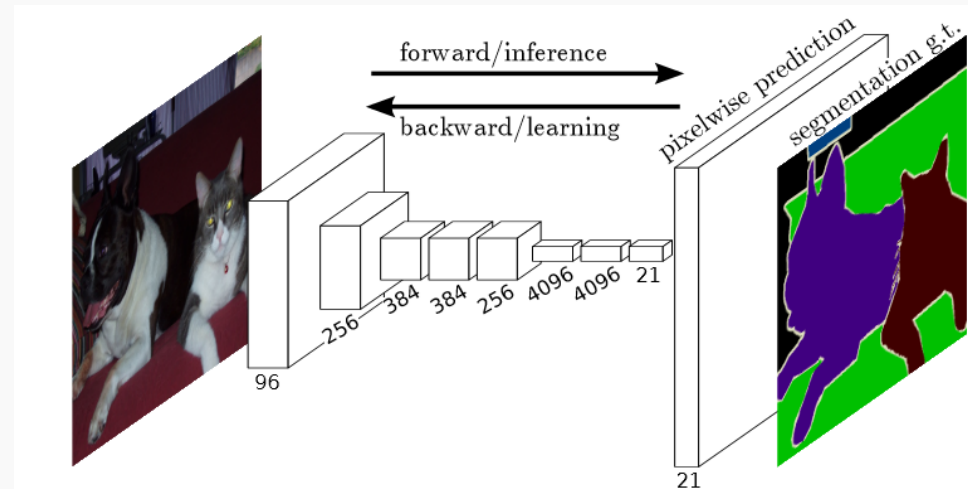
Object Detection and Segmentation

R-CNN: Region-based Convolutional Network



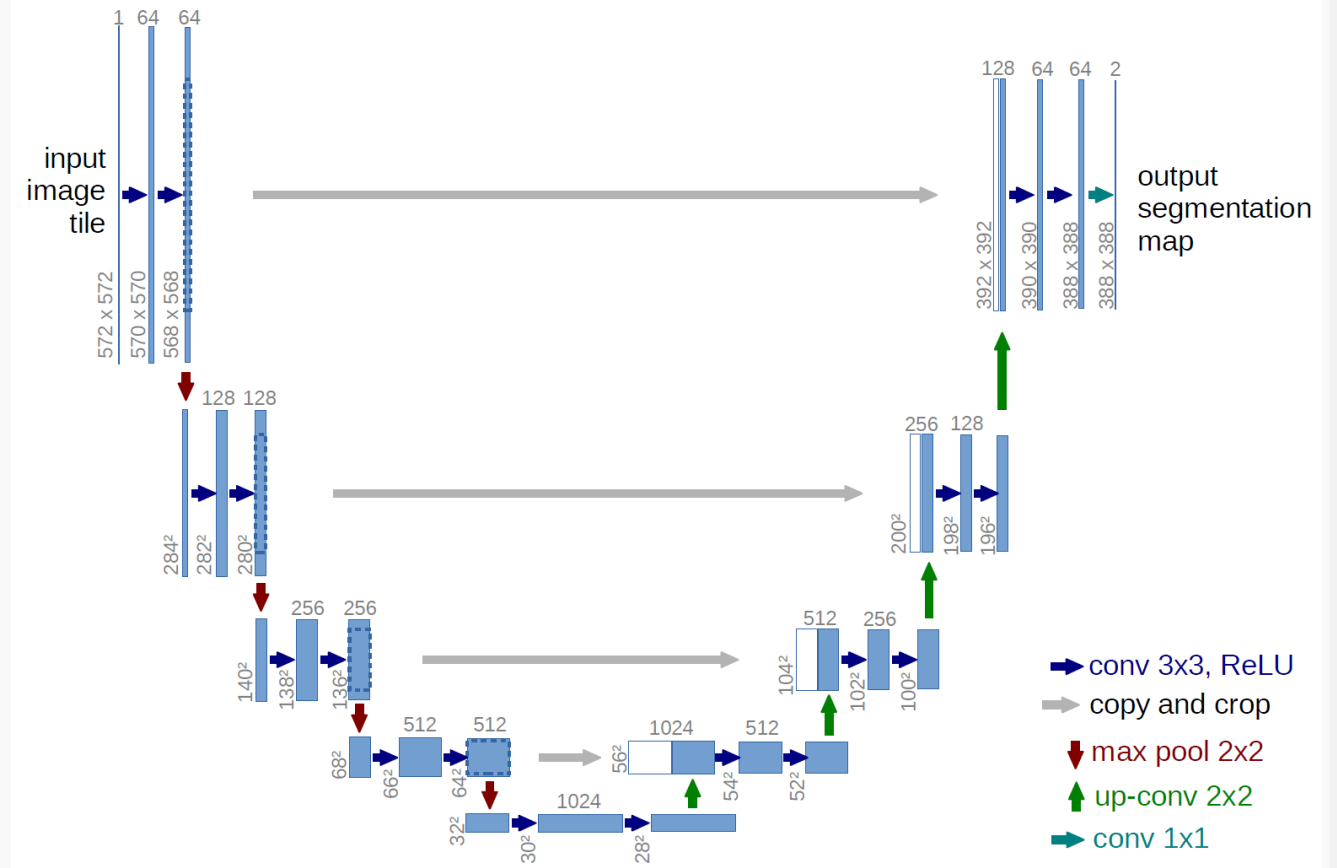
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<https://arxiv.org/pdf/1506.01497v3.pdf>

Semantic Segmentation



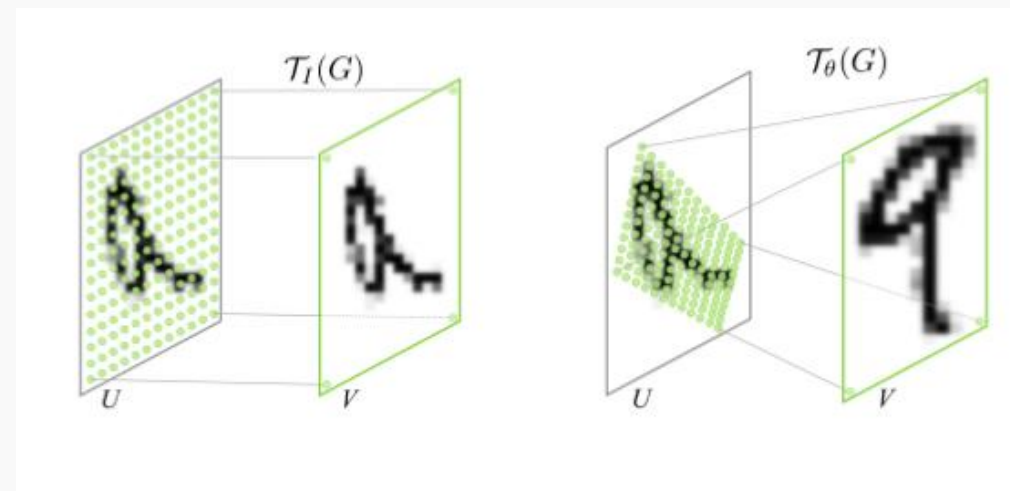
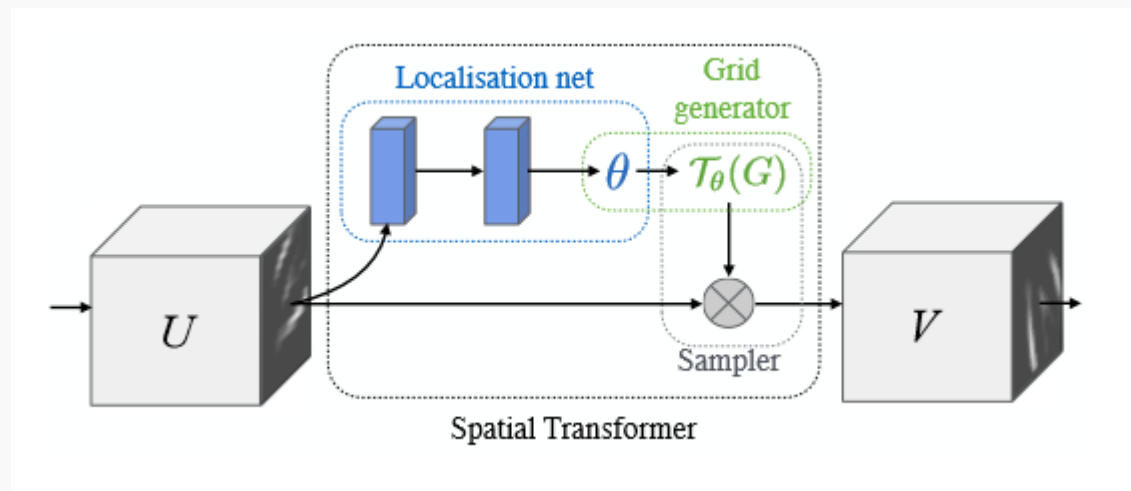
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Semantic Segmentation



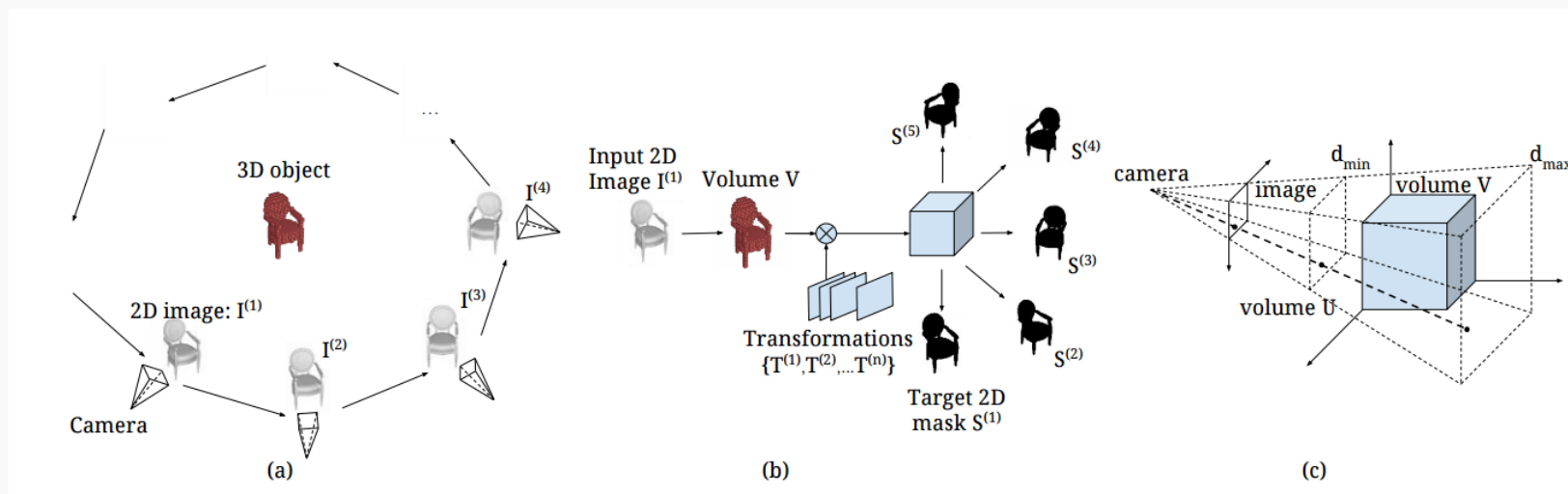
<https://lmb.informatik.uni-freiburg.de/people/ronneber/u-net/>
<https://github.com/Lasagne/Recipes/tree/master/examples/U-Net>

Spatial Transformer Networks



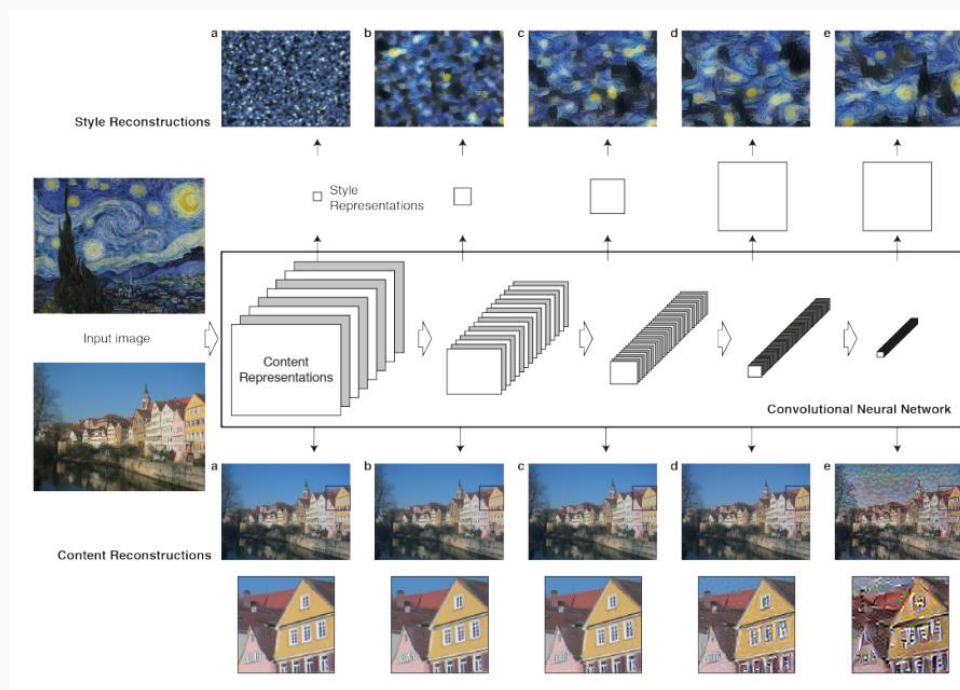
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Perspective Transformer Nets



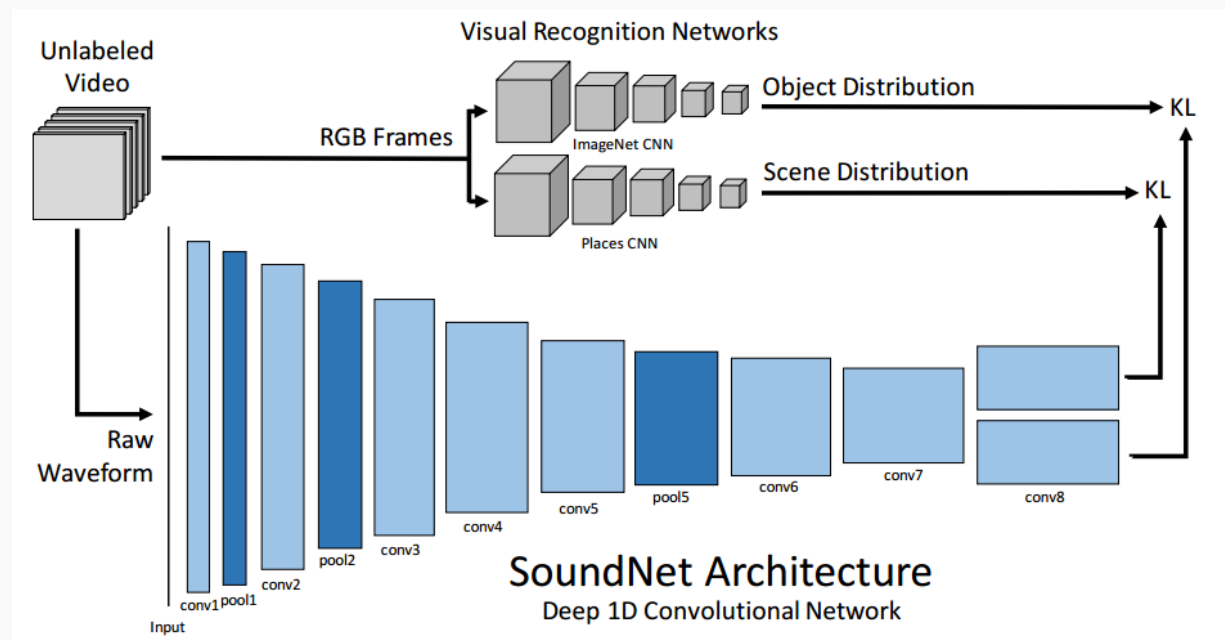
<https://arxiv.org/pdf/1612.00814v1.pdf>

A Neural Algorithm of Artistic Style



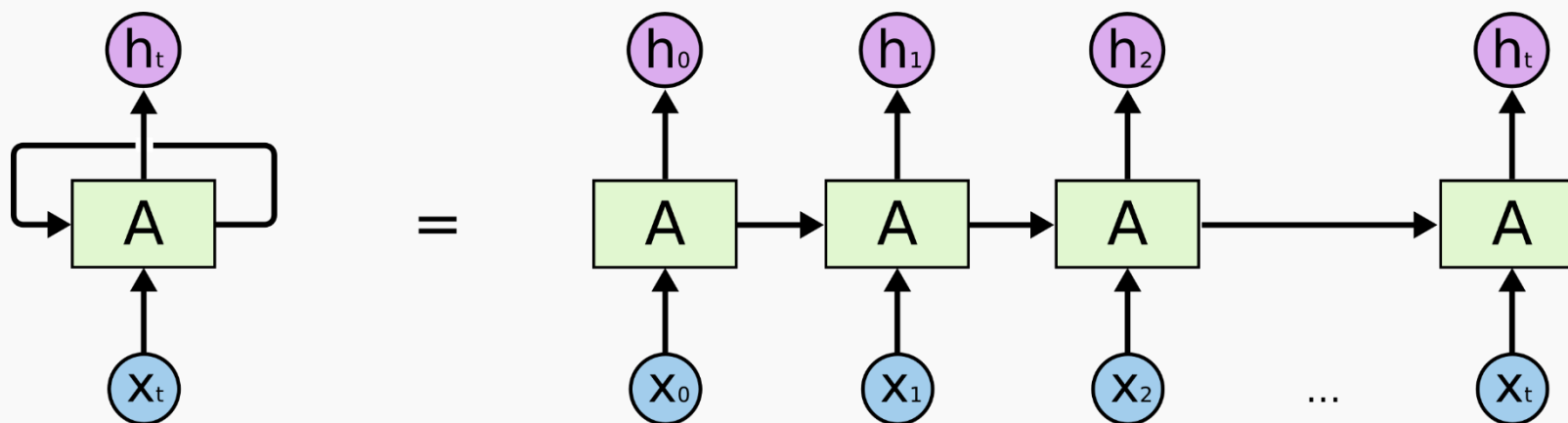
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SoundNet



<https://arxiv.org/pdf/1610.09001v1.pdf>

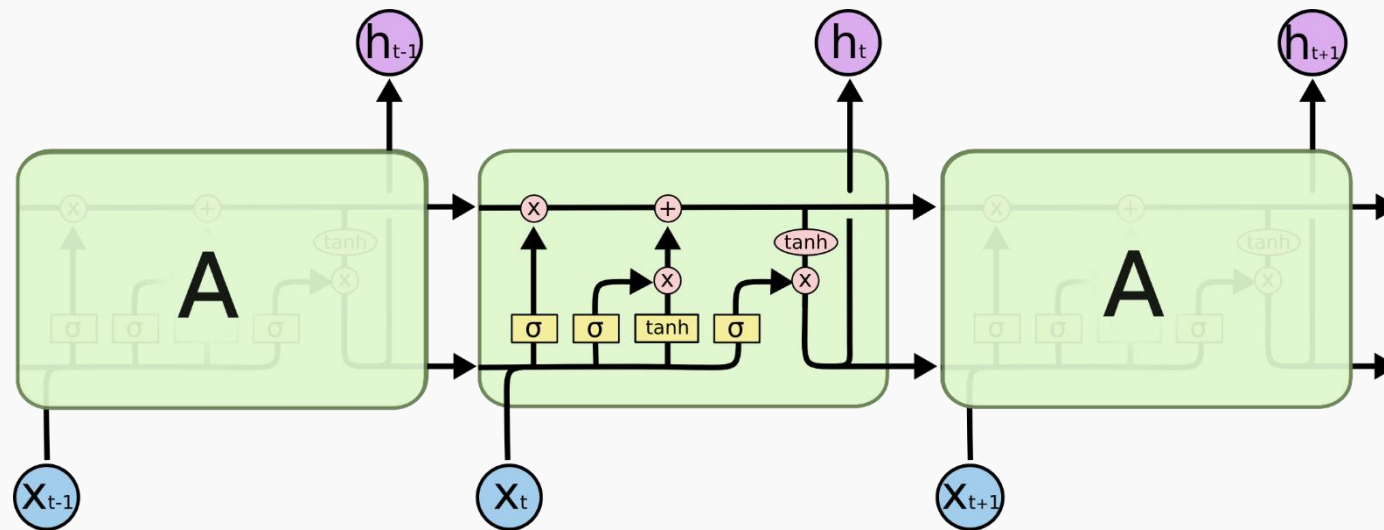
Recurrent Neural Network



<https://arxiv.org/abs/1308.0850>

https://www.researchgate.net/publication/13853244_Long_Short-term_Memory

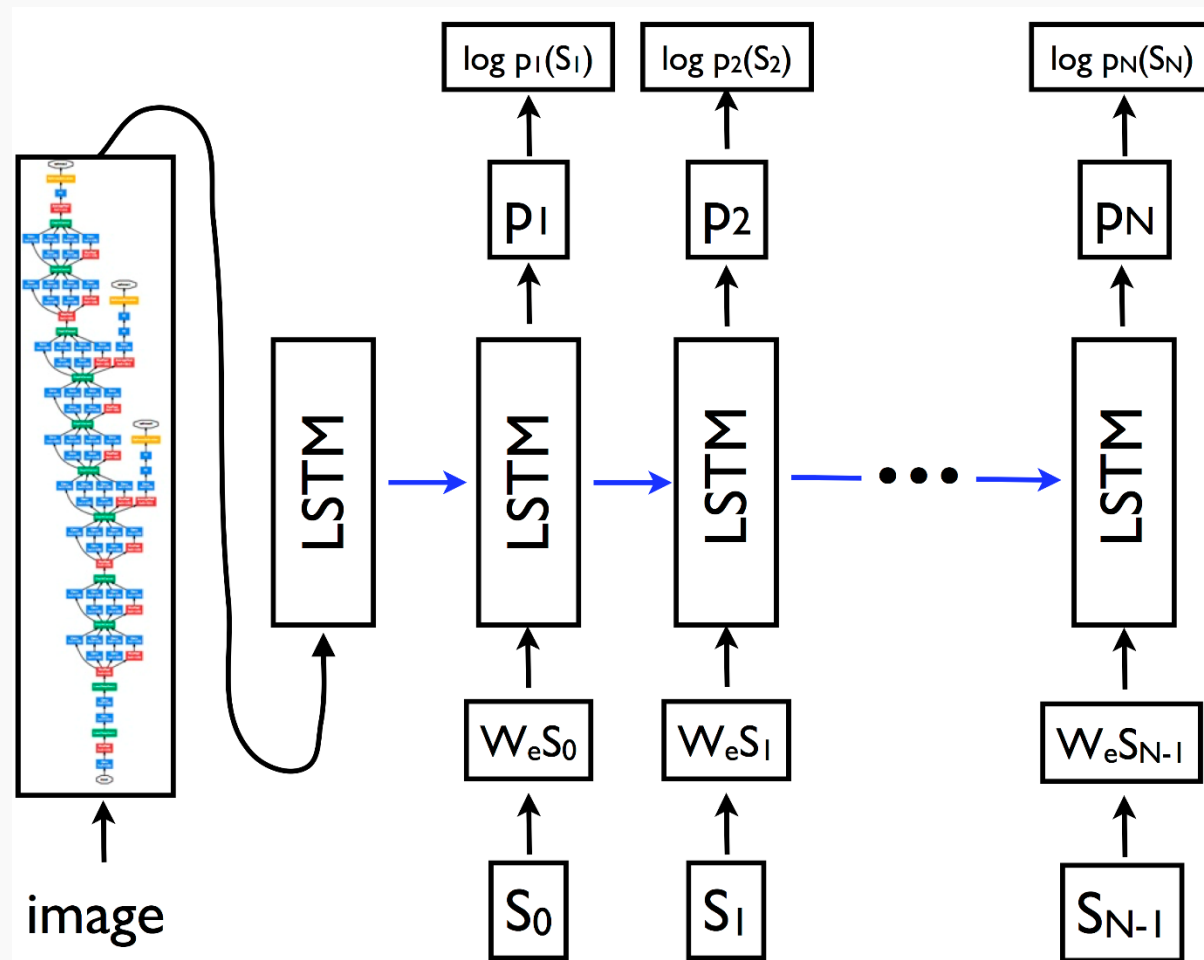
Recurrent Neural Network, Long Short-term Memory



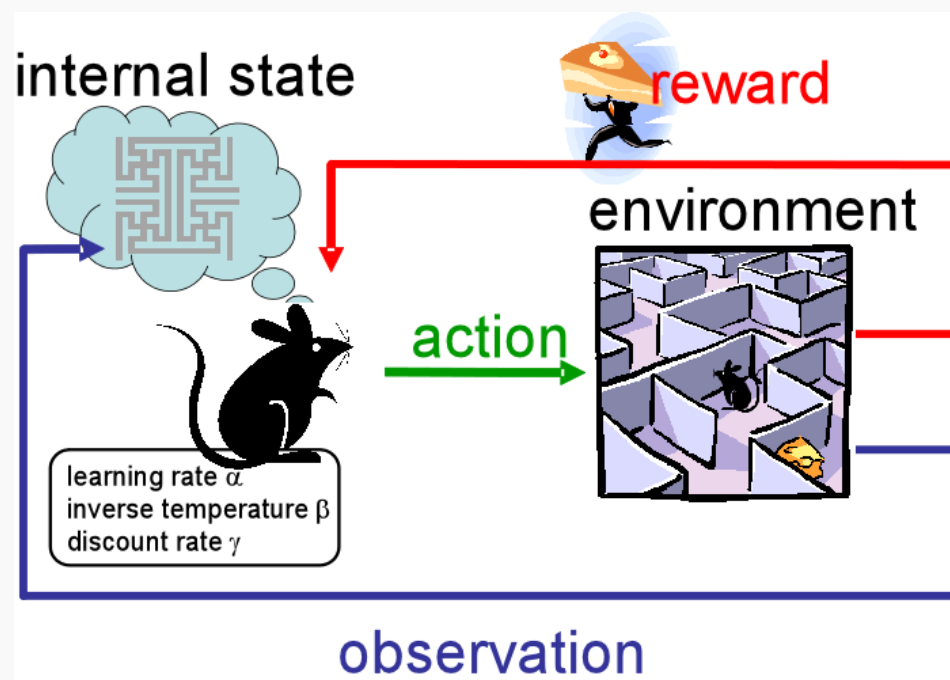
<https://arxiv.org/abs/1308.0850>

https://www.researchgate.net/publication/13853244_Long_Short-term_Memory

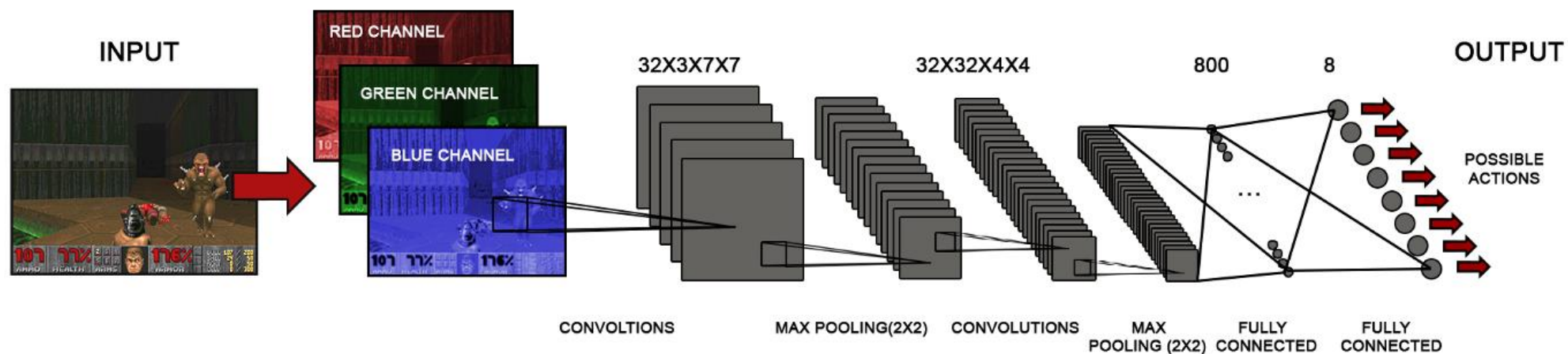
Convolution Neural Network +
Recurrent Neural Network



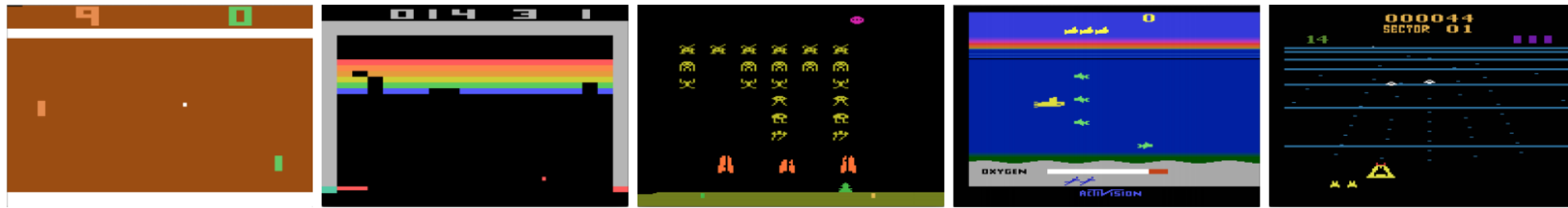
Reinforcement Learning



Playing Atari with Deep Reinforcement Learning



Playing Atari with Deep Reinforcement Learning



<https://arxiv.org/pdf/1312.5602v1.pdf>

