

Image Processing



Pixel groups
showing similar
structure



Deep CNN

Local
Connectivity

Neuron
Groupings

Shared
Parameters

Convolution

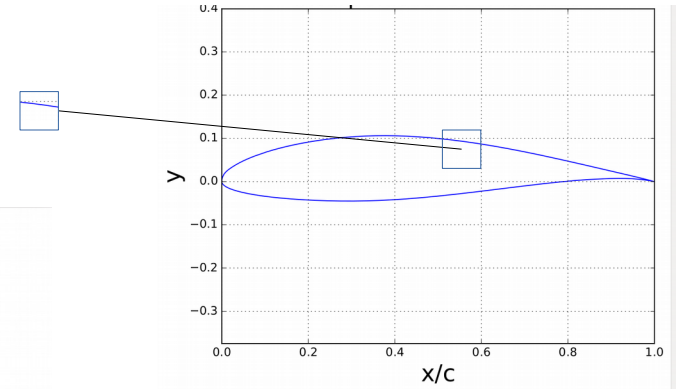
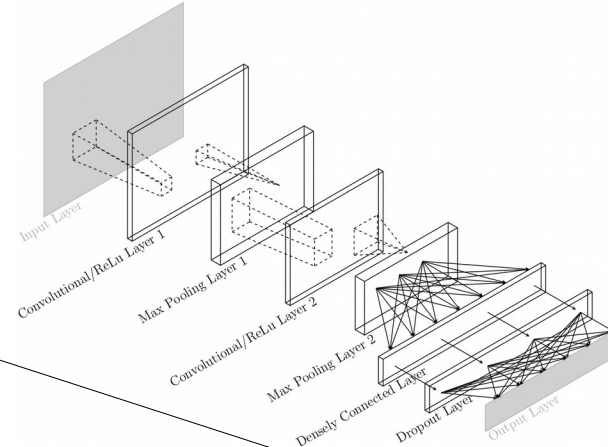
Principle of Stationarity



Various regions of deep CNN gets stimulated for various parts of the image!

Airfoil Performance Prediction

Airfoil surface sections
showing similar
curvature and slope



Inspiration from animal
visual cortex system

