$$\mathcal{W} \qquad \hat{\mathcal{W}}_{DW} \qquad \hat{\mathcal{W}}_{CST}$$

Pointwise

Depthwise

Transformations

Template

$\mathcal{T}_1$

$\mathcal{T}_2$

$\mathcal{T}_N$

a) Standard convolution

b) Depthwise Separable Convolution

c) Cheap Spatial Transformations