

	V&K	Render-for-CNN	Our
Problem formulation	Classification	Fine-grained classification	Regression
Representation	Discretized angles (21 bins)	Discretized angles (360 bins)	Axis-angle /
Loss function	Cross-entropy	Weighted cross-entropy	Geodesic
Data augmentation	2D jittering	Rendered images	3D pose jittering +
Network architecture	VGG-Net (FC7)	AlexNet (FC7)	VGG-M