

Expt	mAP	Accuracy
softmax of only imflow	37.6	45.3
softmax of only imsumdiff	35.3	45.4
softmax of only imdata	33.9	47.0
Max of softmax imdata + imflow	38.1	47.8
Max of softmax imdata + imflow + imsumdiff	39.5	49.9
Stacked max pool softmax of imdata + imflow + imsumdiff (RBF)	62.2	63.9
Stack softmax and then kernelized pool (195x195)	68.5	65.3
max pool of fc6+fc7 features imdata+ imflow + imsumdiff + traj (linear)	64.2	67.3
second order pooling of local dynamics (1)	51.3	49.3
second order pooling of imdata	49.7	52.0
second order pooling of imflow	55.6	48.6
kernelized second order pooling of local dynamics	55.7	56.4
kernelized second order pooling of imdata	52.5	55.7
kernelized second order pooling of imflow	60.6	53.4
second order pooling of flow + imdata + dynamics + trajectories	67.8	65.8
second order pooling of flow + imdata + trajectories	66.8	64.9
second order pooling of flow + imdata (VGG Two-Stream)	60.0	58.9
kernelized second order pooling of flow + imdata (VGG Two-Stream)	64.4	63.7
kernelized second order pooling of flow + imdata + dynamics	65.6	65.4
kernelized second order pooling of flow + imdata + trajectories	69.8	67.9
kernelized second order pooling of all features + trajectories	73.5	70.0
Kernelized second order pooling imdata + imflow + sumdiff + stein	68.5	66.4
kernelized second order pooling + all features + Alexnet		