

Classwise κ											
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Class	Train	Test	Serial	Multi-core	CPU-GPU	Class	Train	Test	Serial	Multi-core	CPU-GPU
1	548	6304	0.9882	0.9854	0.9878	1	478	9250	0.9966	0.9975	0.9985
2	540	18146	0.9631	0.9597	0.9647	2	274	5358	0.9998	1.0000	1.0000
3	392	1815	0.9919	0.9941	0.9941	3	105	2159	0.9129	0.9109	0.9307
4	524	2912	0.9941	0.9946	0.9932	4	530	10916	0.9827	0.9745	0.9741
5	265	1113	1.0000	1.0000	1.0000	5	617	12100	0.9557	0.9588	0.9627
6	532	4572	0.9755	0.9866	0.9869	6	416	8060	0.9646	0.9560	0.9713
7	375	981	0.9915	0.9915	0.9867	7	75	1520	0.8601	0.8757	0.8707
8	514	3364	0.9967	0.9963	0.9938	8	125	2440	0.9346	0.9310	0.8901
9	231	795	0.9965	0.9947	1.0000	-	-	-	-	-	-
Global κ	-	-	0.9795	0.9794	0.9814	-	-	-	0.9681	0.9662	0.9682

Table 2: Global and classwise classification accuracies (κ)

Tan, K. et al., 2015. GPU parallel implementation of support vector machines for hyperspectral image classification. *IEEE Journal of Selected Topics on Applied Earth Observations and Remote Sensing*, vol 8, no. 10, pp. 4647-4656.

Wu, Z. et al., 2015. Parallel spatialspectral hyperspectral image classification with sparse representation and Markov random fields on GPUs. *IEEE Journal of Selected Topics on Applied Earth Observations and Remote Sensing*, vol. 8, no. 6, pp. 2926-2938.

Wu, Z. et al., 2015. GPU implementation of composite kernels for hyperspectral image classification. *IEEE Geoscience and Remote Sensing Letters*, vol. 12, no. 9, pp. 1973-1977.