|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| input | plane | car | bird | cat | deer | dog | frog | horse | ship | truck |
| Default images | 75 | 83 | 48 | 59 | 67 | 60 | 83 | 66 | 84 | 82 |
| Every other pixel replaced | 78 | 83 | 58 | 50 | 69 | 52 | 71 | 81 | 79 | 74 |
| Center replaced | 63 | 66 | 32 | 37 | 55 | 58 | 68 | 59 | 73 | 63 |

Class Accuracy (%)

Plane: Accuracy after replacing center is significantly lower than other two inputs, this indicates that the center region contains a significant number of salient features. Also, the accuracy after replacing every other pixel is better than using default images, this may indicate that the white regions of the chessboard pattern for this class contain slightly more salient features.

Car: Accuracy is same when using the first 2 input types, but low when center is replaced. So, a lot of salient features are possibly concentrated at the center.

Bird: Similar to “plane’ class, but the difference in accuracy is higher between first 2 input types, so the white regions in chessboard contain a good amount salient features. The center region contains more as the difference from default images is higher.

Cat: Accuracy is max with default images; this indicates that salient features for this class is distributed over the images. But, there may be a concentration of features at center, as accuracy is very low when its replaced.

Deer: Same as the “plane” class.

Dog: Max accuracy by using default images, but replacing center reduces it slightly and using chessboard pattern reduces accuracy more significantly. This indicates that salient features are not too much concentrated at the center, they are more distributed and the black regions on chessboard contain a lot of them.

Frog: Similar to “cat” class, but the difference is accuracy between last 2 input types is lower. This indicates that salient features are not concentrated too much at the center, more distributed.

Horse: Similar to “bird” class, the white chessboard regions contain a significant number of salient features, the center region contains some as well.

Ship: Similar to “cat” class, but not too much features are concentrated at the center, as the difference between last 2 input types is low. So the features are well distributed over the images.

Truck: Also similar to “cat” class, including the concentration of features at center.