

07_02_1:24:00PM

added `labels='inferred'` to train_ds and val_ds of Jordan_Net_V1

Stats

```
Total Tests: 1183
correct predictions: 489
incorrect predictions: 694
Percentage correct: 41.34%
=====
Most missed predictions
AllWires: 111
BrokenWires: 134
FooBar: 42
Glue: 97
NoWires: 110
OneThirdsWires: 34
TwoThirdsWires: 166
```

Model Summary

Layer (type)	Output Shape	Param #
rescaling (Rescaling)	(None, 480, 480, 3)	0
conv2d (Conv2D)	(None, 480, 480, 16)	448
conv2d_1 (Conv2D)	(None, 480, 480, 16)	2320
max_pooling2d (MaxPooling2D)	(None, 240, 240, 16)	0
conv2d_2 (Conv2D)	(None, 240, 240, 16)	2320
conv2d_3 (Conv2D)	(None, 240, 240, 16)	2320

max_pooling2d_1	(MaxPooling2 (None, 120, 120, 16)	0
conv2d_4	(Conv2D) (None, 120, 120, 32)	4640
conv2d_5	(Conv2D) (None, 120, 120, 32)	9248
batch_normalization	(BatchNo (None, 120, 120, 32)	128
max_pooling2d_2	(MaxPooling2 (None, 60, 60, 32)	0
conv2d_6	(Conv2D) (None, 60, 60, 32)	9248
conv2d_7	(Conv2D) (None, 60, 60, 32)	9248
max_pooling2d_3	(MaxPooling2 (None, 30, 30, 32)	0
conv2d_8	(Conv2D) (None, 30, 30, 32)	9248
conv2d_9	(Conv2D) (None, 30, 30, 32)	9248
max_pooling2d_4	(MaxPooling2 (None, 15, 15, 32)	0
conv2d_10	(Conv2D) (None, 15, 15, 32)	9248
conv2d_11	(Conv2D) (None, 15, 15, 32)	9248
max_pooling2d_5	(MaxPooling2 (None, 7, 7, 32)	0
conv2d_12	(Conv2D) (None, 7, 7, 32)	9248
conv2d_13	(Conv2D) (None, 7, 7, 32)	9248
max_pooling2d_6	(MaxPooling2 (None, 3, 3, 32)	0
conv2d_14	(Conv2D) (None, 3, 3, 64)	18496
max_pooling2d_7	(MaxPooling2 (None, 1, 1, 64)	0
flatten	(Flatten) (None, 64)	0

dense (Dense)	(None, 128)	8320
dropout (Dropout)	(None, 128)	0
dense_1 (Dense)	(None, 32)	4128
dense_2 (Dense)	(None, 32)	1056
dense_3 (Dense)	(None, 7)	231
=====		
Total params: 127,639		
Trainable params: 127,575		
Non-trainable params: 64		
=====		

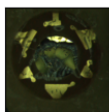
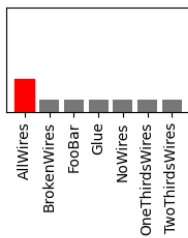
Confusion Matrix



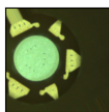
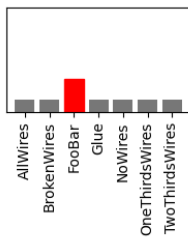
Random Samples



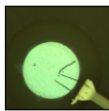
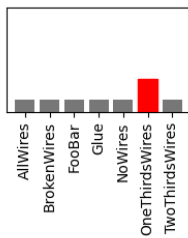
AllWires 31%



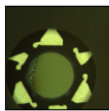
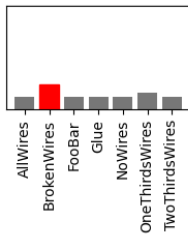
FooBar 31%



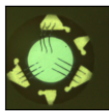
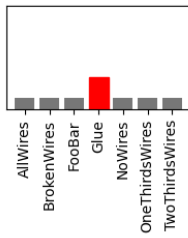
OneThirdsWires 31%



BrokenWires 24%



Glue 31%



OneThirdsWires 27%

