

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%

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Most missed predictions

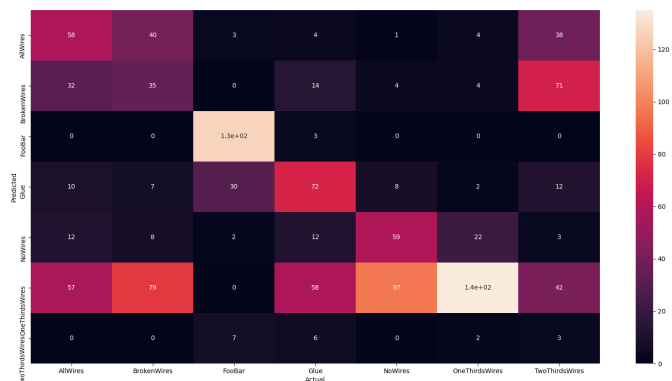
AllWires: 111  
BrokenWires: 134  
FooBar: 42  
Glue: 97  
NoWires: 110  
OneThirdsWires: 34  
TwoThirdsWires: 166

## Model Summary

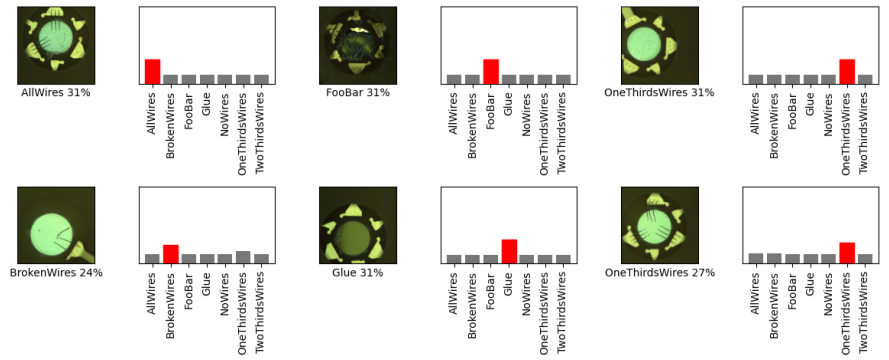
Model: "sequential"

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 (MaxPooling2D)	(None, 120, 120, 16)	0
conv2d_4 (Conv2D)	(None, 120, 120, 32)	4640
conv2d_5 (Conv2D)	(None, 120, 120, 32)	9248
batch_normalization (Batch Normalization)	(None, 120, 120, 32)	128
max_pooling2d_2 (MaxPooling2D)	(None, 60, 60, 32)	0
conv2d_6 (Conv2D)	(None, 60, 60, 32)	9248
conv2d_7 (Conv2D)	(None, 60, 60, 32)	9248
max_pooling2d_3 (MaxPooling2D)	(None, 30, 30, 32)	0
conv2d_8 (Conv2D)	(None, 30, 30, 32)	9248

conv2d_9 (Conv2D)	(None, 30, 30, 32)	9248	
max_pooling2d_4 (MaxPooling2D)	(None, 15, 15, 32)	0	
conv2d_10 (Conv2D)	(None, 15, 15, 32)	9248	
conv2d_11 (Conv2D)	(None, 15, 15, 32)	9248	
max_pooling2d_5 (MaxPooling2D)	(None, 7, 7, 32)	0	
conv2d_12 (Conv2D)	(None, 7, 7, 32)	9248	
conv2d_13 (Conv2D)	(None, 7, 7, 32)	9248	
max_pooling2d_6 (MaxPooling2D)	(None, 3, 3, 32)	0	
conv2d_14 (Conv2D)	(None, 3, 3, 64)	18496	
max_pooling2d_7 (MaxPooling2D)	(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