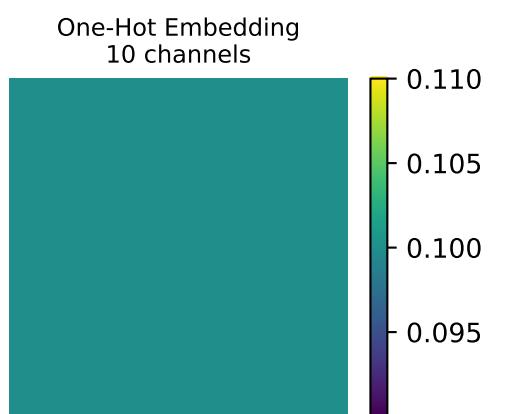
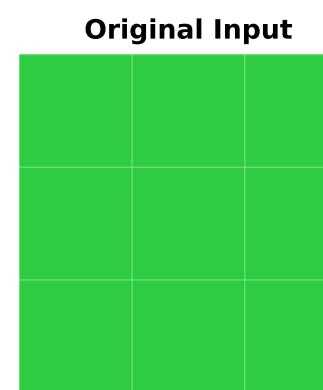
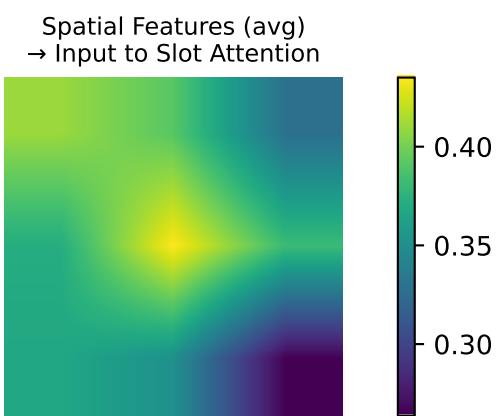
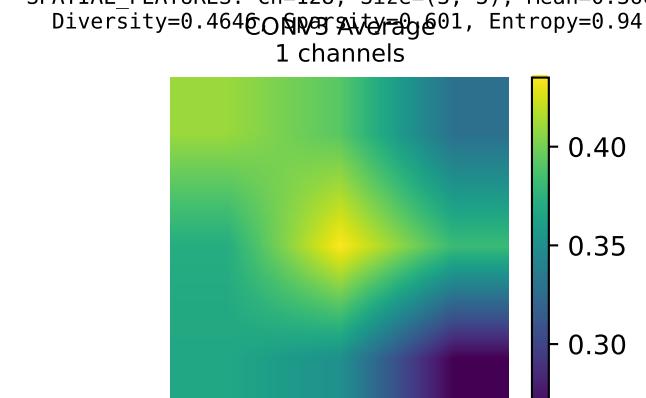
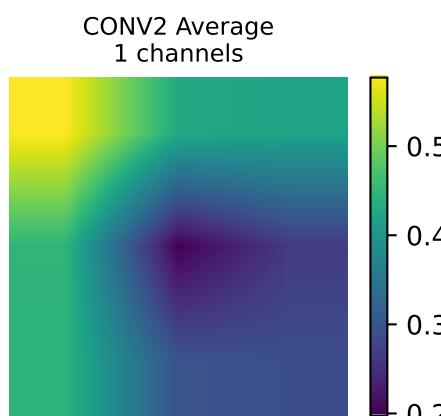
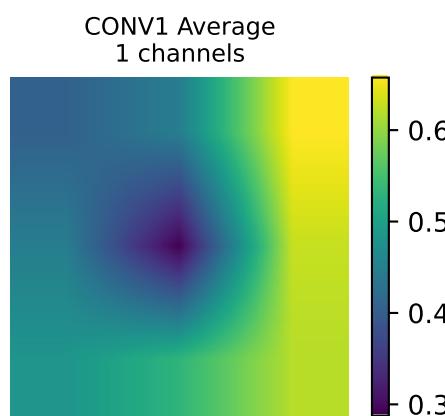


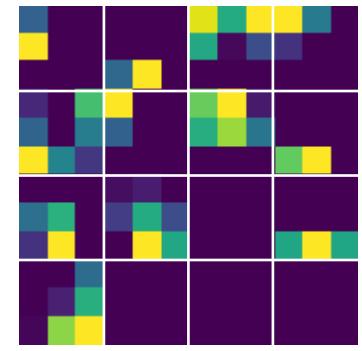
# CNN Feature Analysis: Grid 3x3



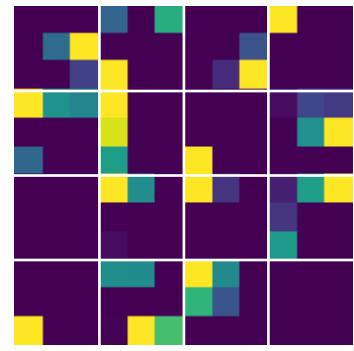
Grid Size: 3x3 | CNN: 3 conv layers | Hidden Dim: 128  
 Layer Statistics:  
 EMBED: Ch=10, Size=(3, 3), Mean=0.100±0.300, Range=[0.00, 1.00]  
 Diversity=0.0000, Sparsity=0.900, Entropy=0.00  
 CONV1: Ch=128, Size=(3, 3), Mean=0.499±0.473, Range=[0.00, 5.60]  
 Diversity=0.5798, Sparsity=0.647, Entropy=0.86  
 CONV2: Ch=128, Size=(3, 3), Mean=0.373±0.444, Range=[0.00, 4.88]  
 Diversity=0.5387, Sparsity=0.684, Entropy=0.77  
 CONV3: Ch=128, Size=(3, 3), Mean=0.366±0.409, Range=[0.00, 5.14]  
 Diversity=0.4646, Sparsity=0.601, Entropy=0.94  
 SPATIAL\_FEATURES: Ch=128, Size=(3, 3), Mean=0.366±0.409, Range=[0.00, 5.14]  
 Diversity=0.4646, Sparsity=0.601, Entropy=0.94



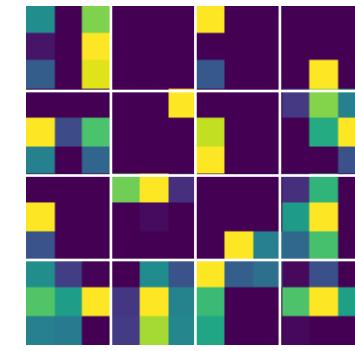
Feature Channels (showing 16/128)



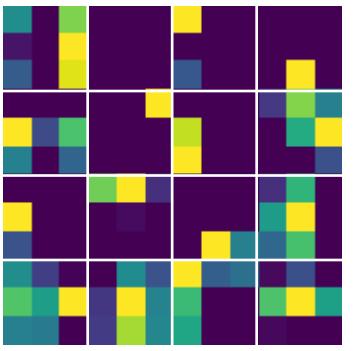
Feature Channels (showing 16/128)



Feature Channels (showing 16/128)



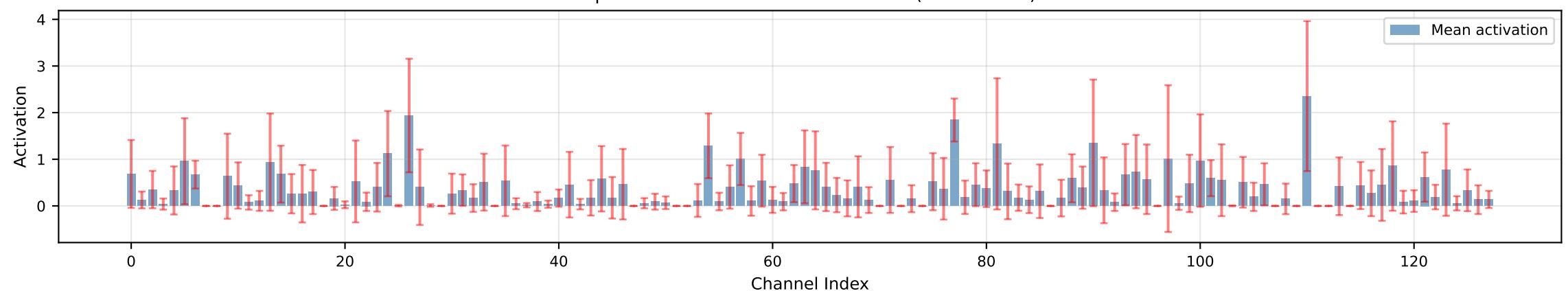
Feature Channels (showing 16/128)



## DIAGNOSIS SUMMARY:

- △ HIGH SPARSITY: Many dead neurons
- △ LOW ENTROPY: Low information

Spatial Feature Channel Activations (mean ± std)



Spatial Location Similarity  
(sample of 9 locations)

