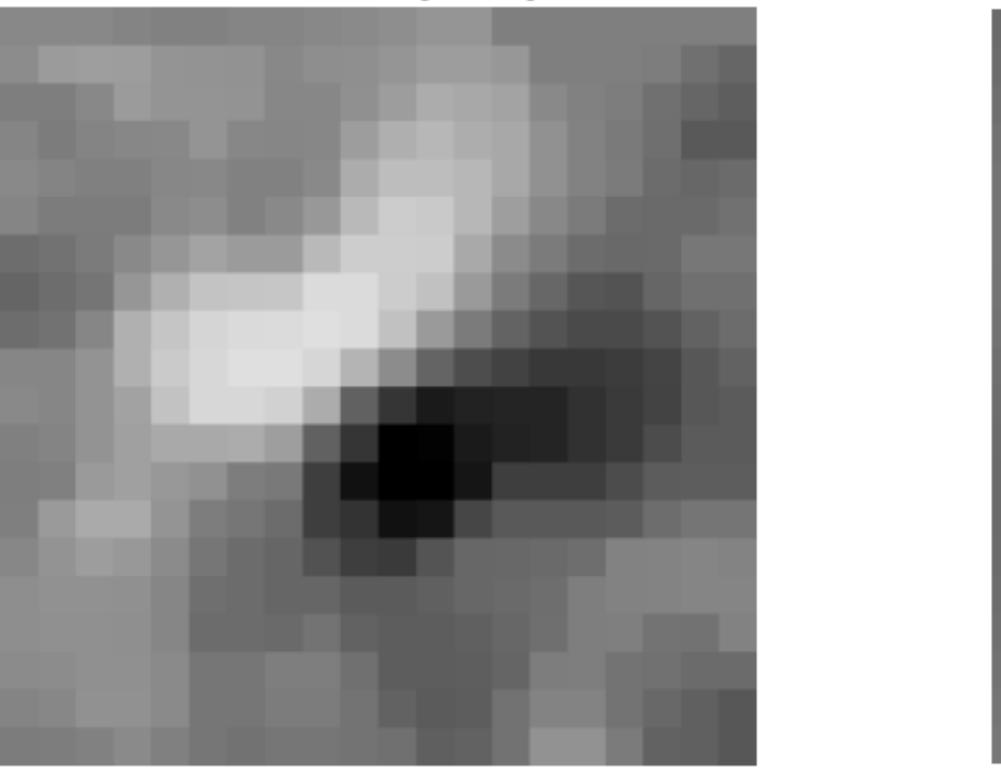
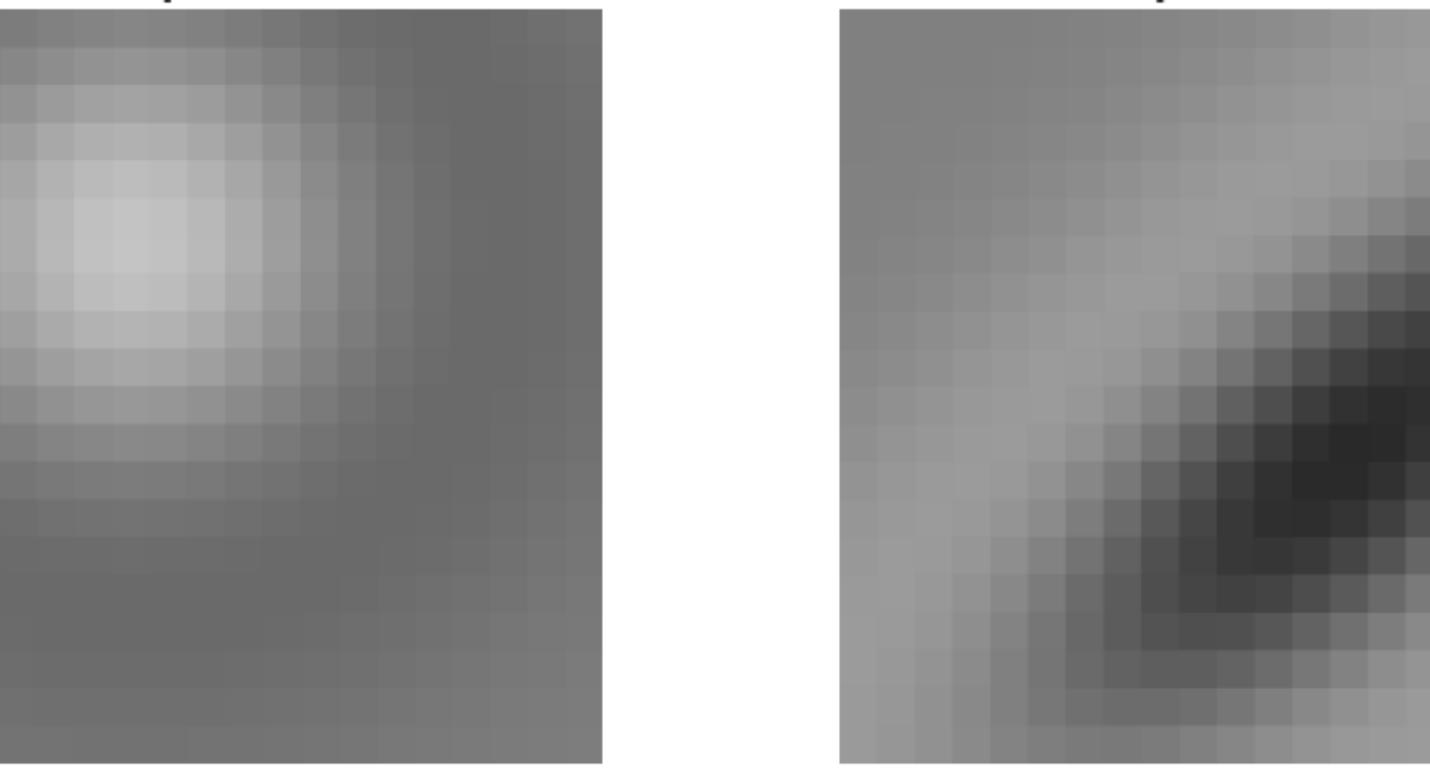


# RF Model Comparison - Cell 68

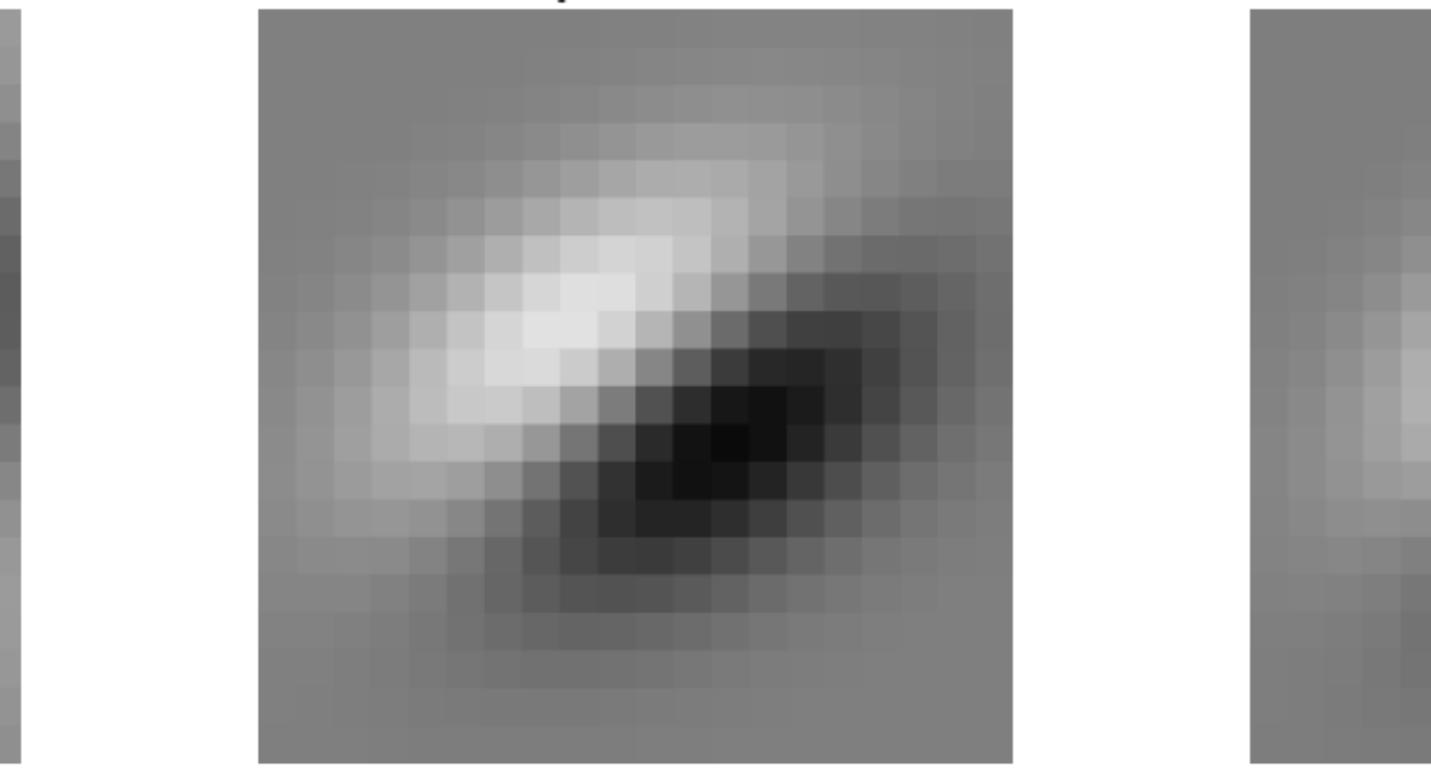
**STA**  
Cell 68 (ii=1)



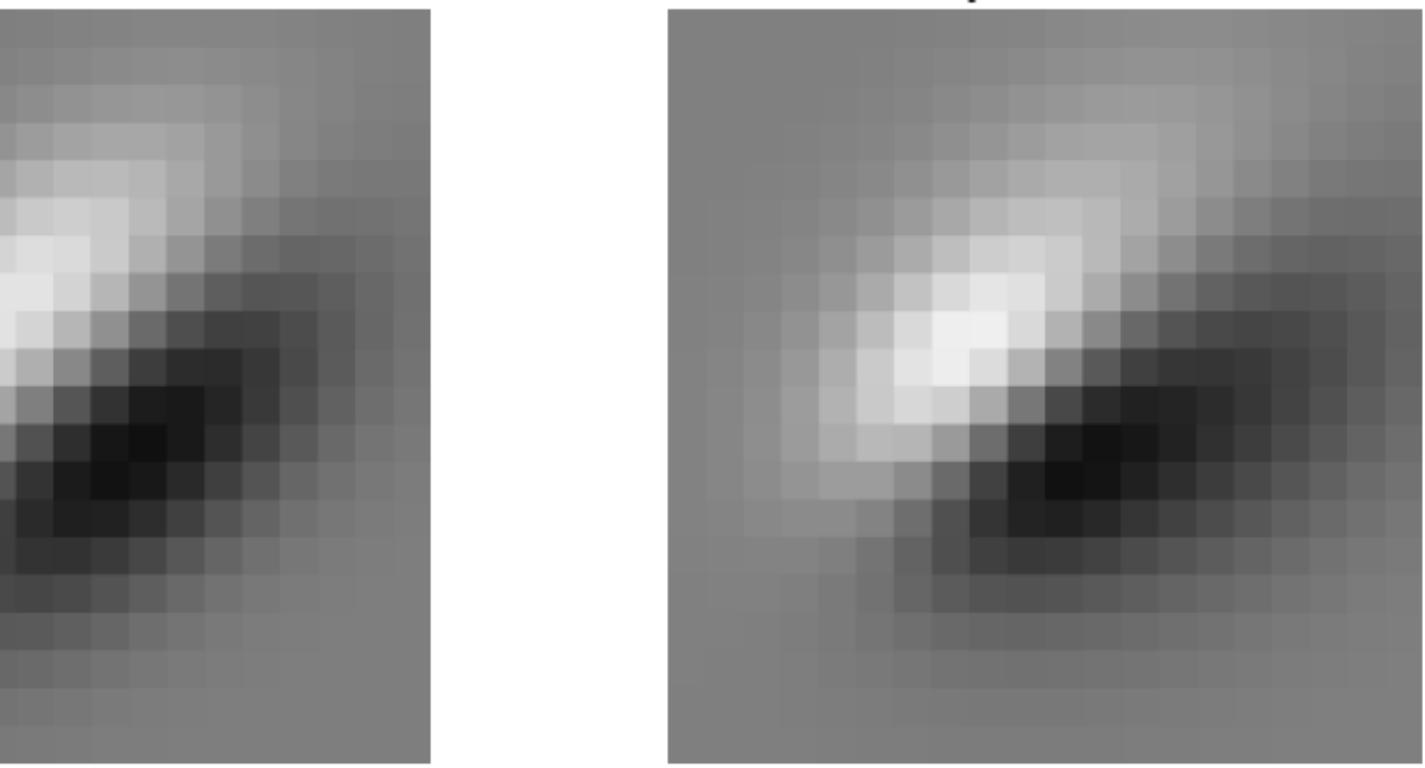
**Circular DoG**  
 $R^2=0.32$  | AICc=-664.1



**Elliptical DoG**  
 $R^2=0.58$  | AICc=-849.1



**Noncon DoG**  
 $R^2=0.86$  | AICc=-1288.5



**Custom Gabor**  
 $R^2=0.85$  | AICc=-1253.8



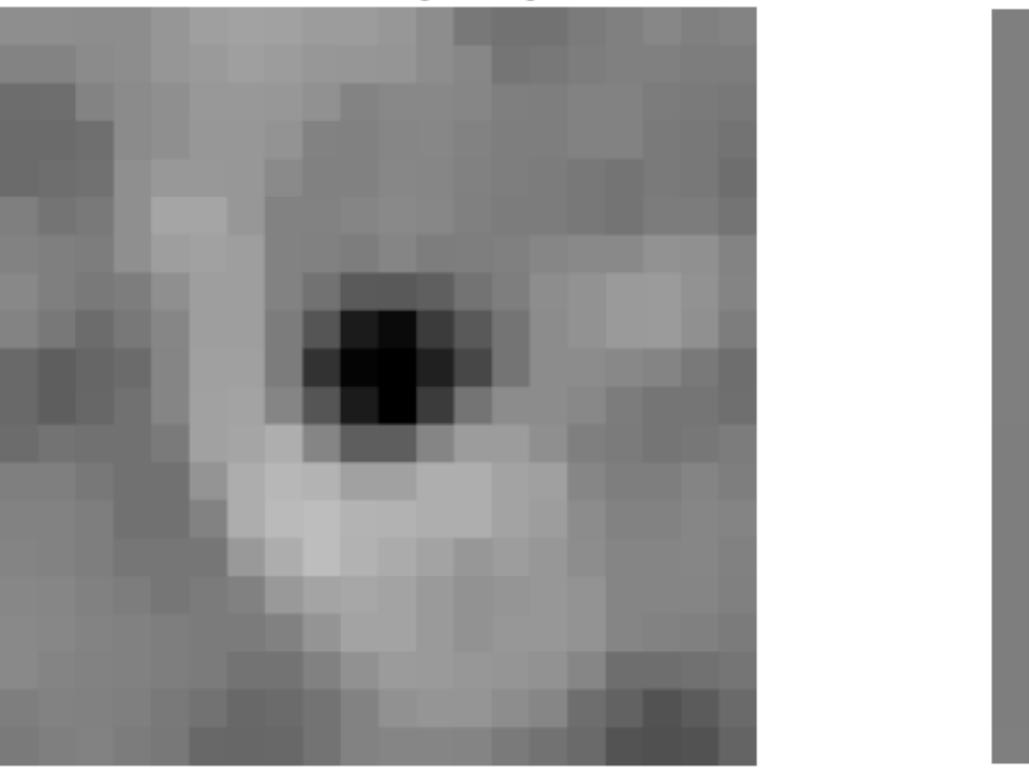
**DoG x cos**  
 $R^2=0.88$  | AICc=-1332.0



# RF Model Comparison - Cell 71

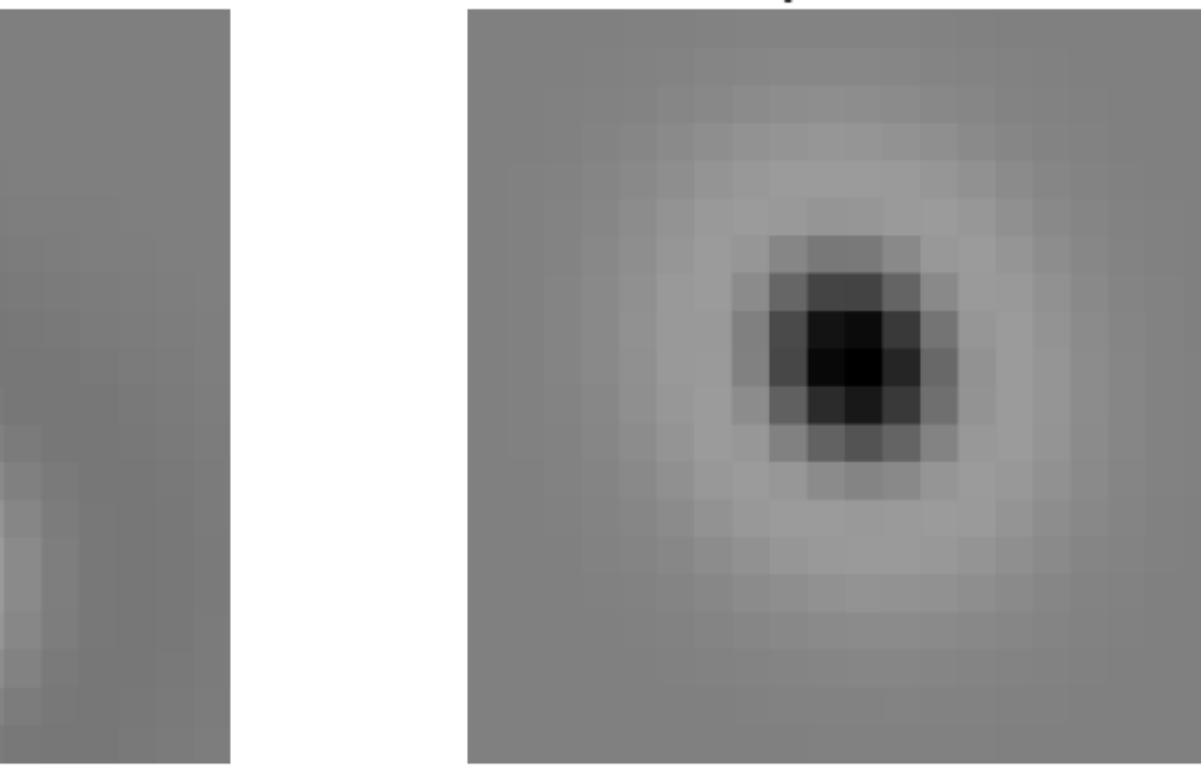
STA

Cell 71 (ii=2)



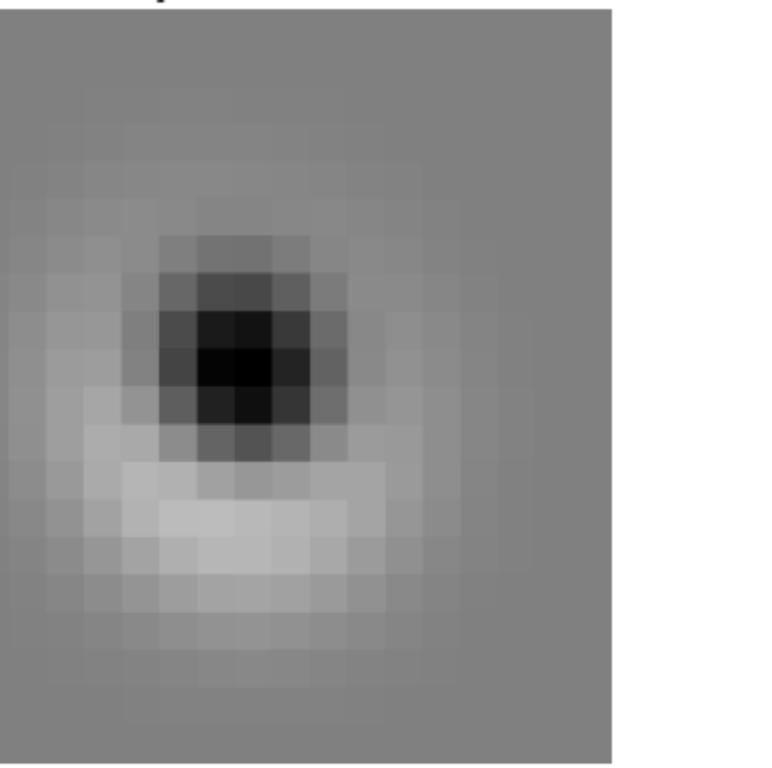
Circular DoG

$R^2=0.19$  | AICc=-683.5



Elliptical DoG

$R^2=0.63$  | AICc=-990.7



Noncon DoG

$R^2=0.71$  | AICc=-1091.9



Custom Gabor

$R^2=0.60$  | AICc=-961.3



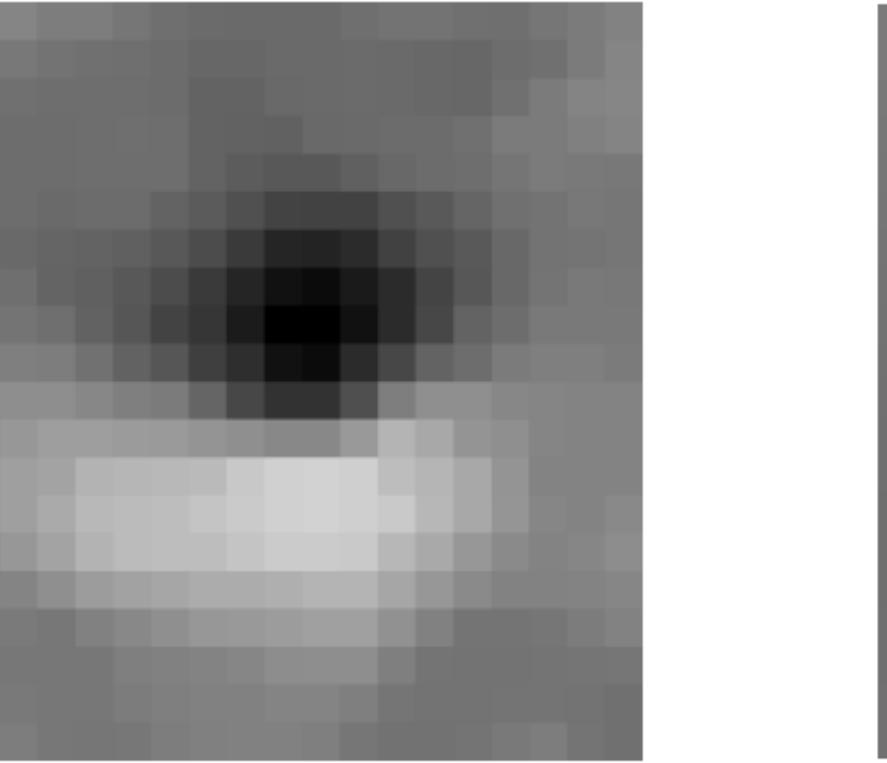
DoG x cos

$R^2=0.76$  | AICc=-1162.4

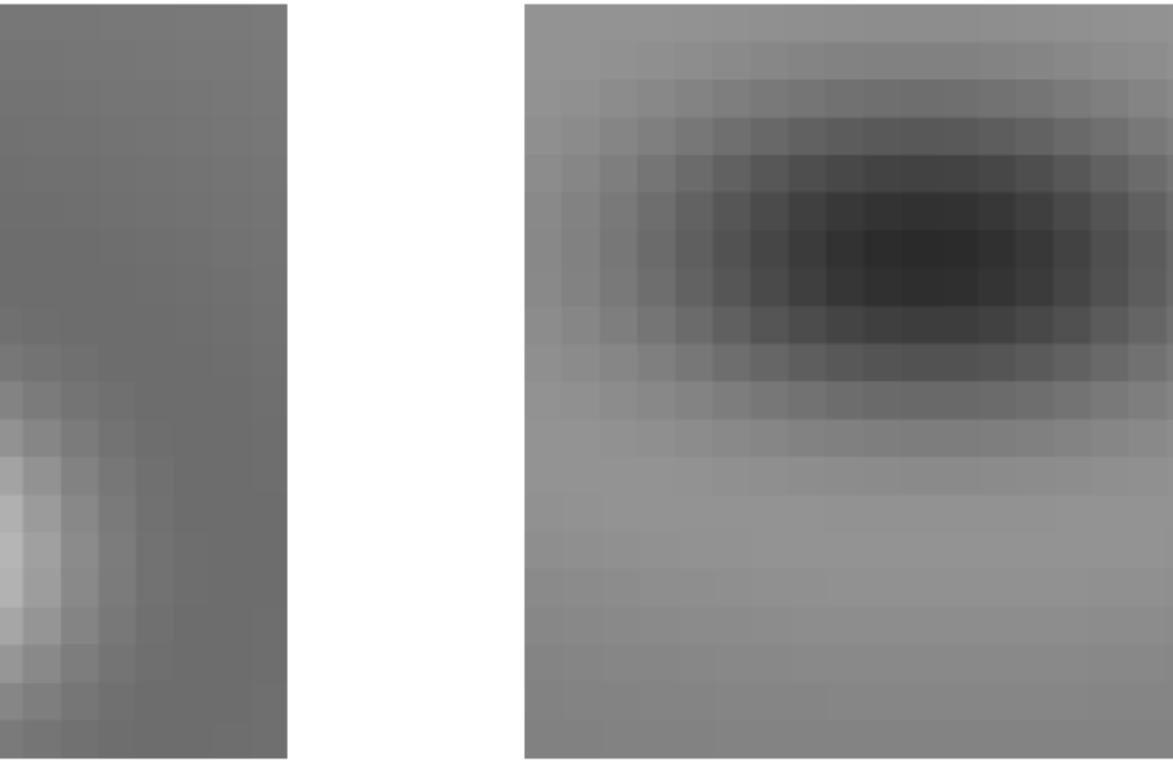


# RF Model Comparison - Cell 107

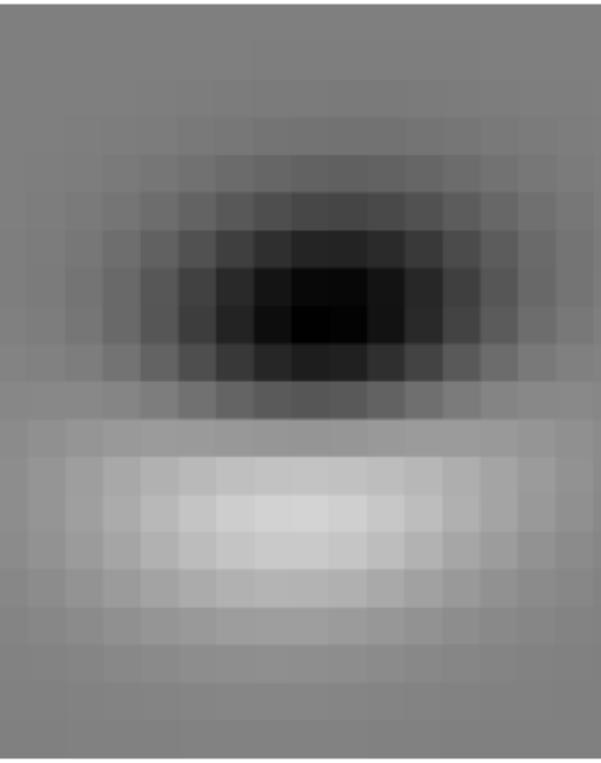
**STA**  
Cell 107 (ii=3)



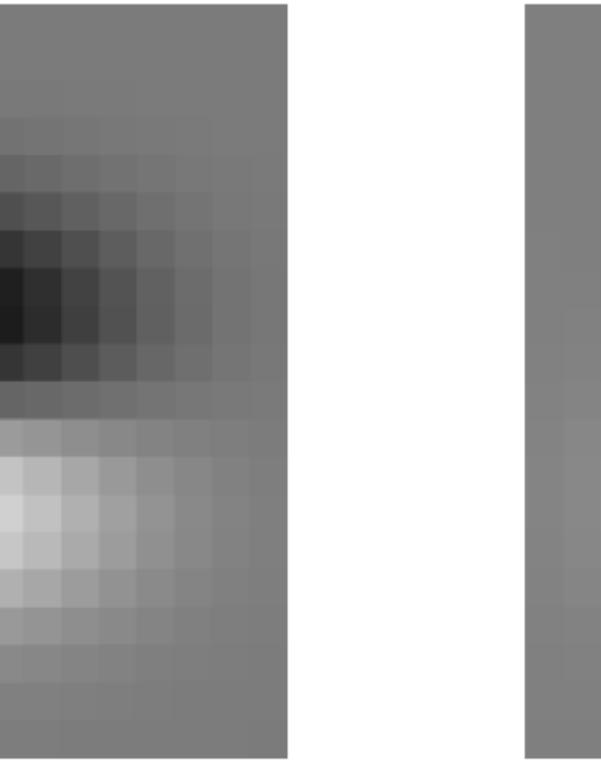
**Circular DoG**  
 $R^2=0.34$  | AICc=5.3



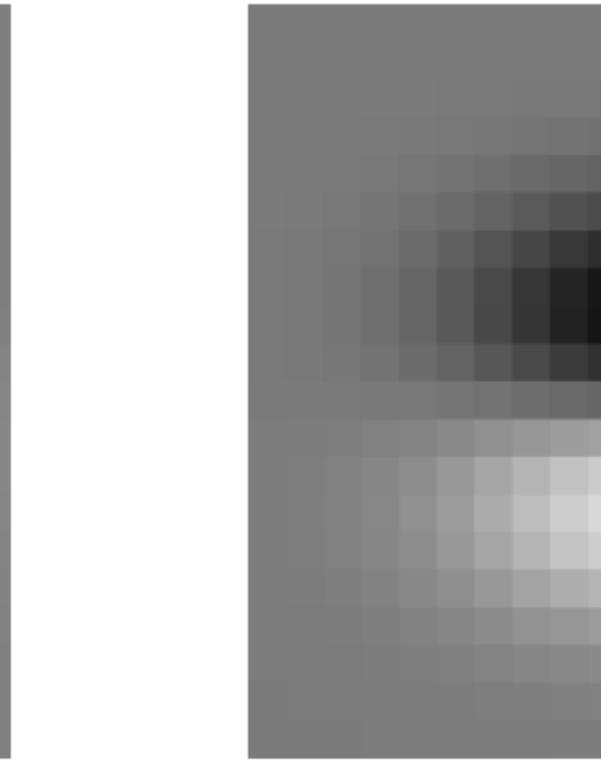
**Elliptical DoG**  
 $R^2=0.58$  | AICc=-175.5



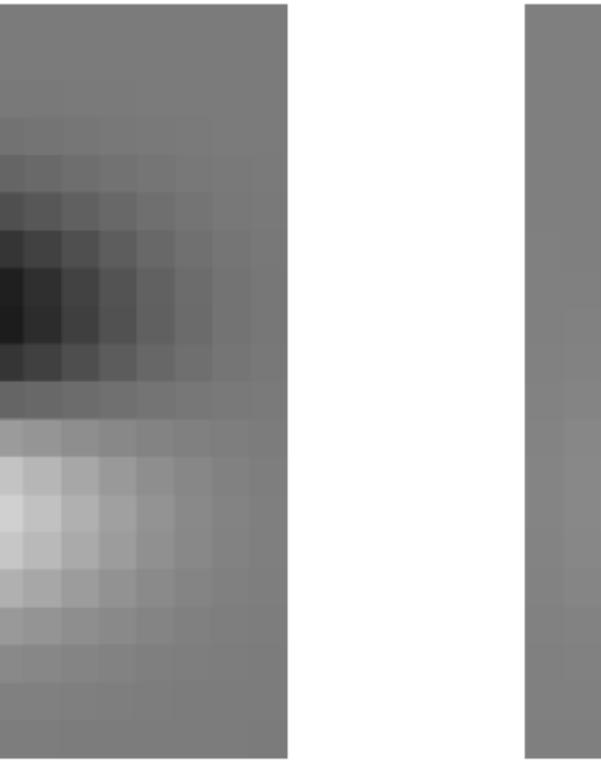
**Noncon DoG**  
 $R^2=0.91$  | AICc=-788.6



**Custom Gabor**  
 $R^2=0.88$  | AICc=-686.9

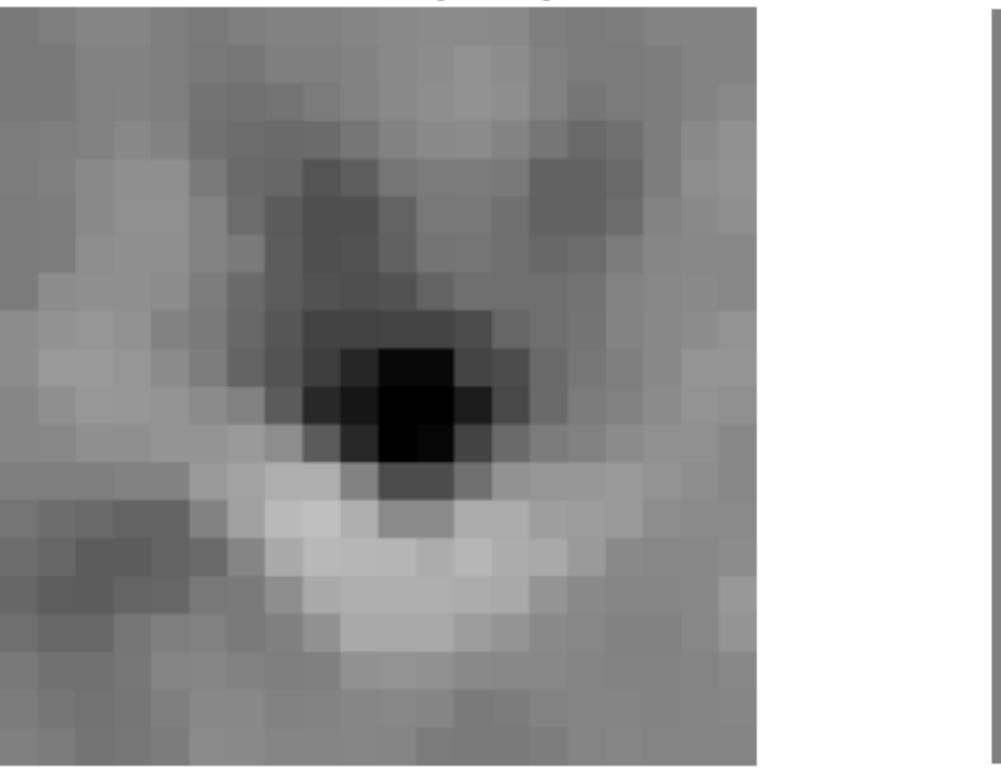


**DoG x cos**  
 $R^2=0.92$  | AICc=-838.0

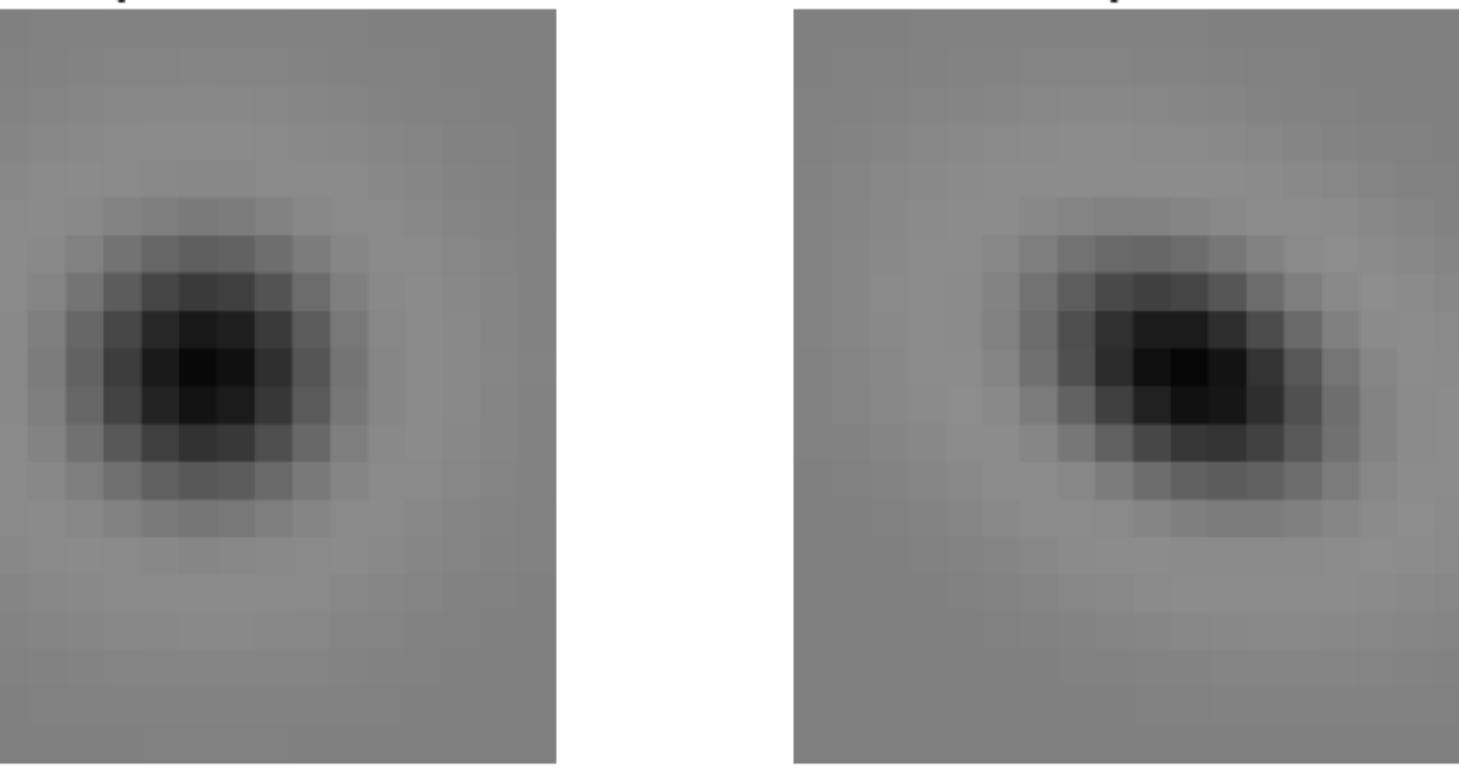


# RF Model Comparison - Cell 130

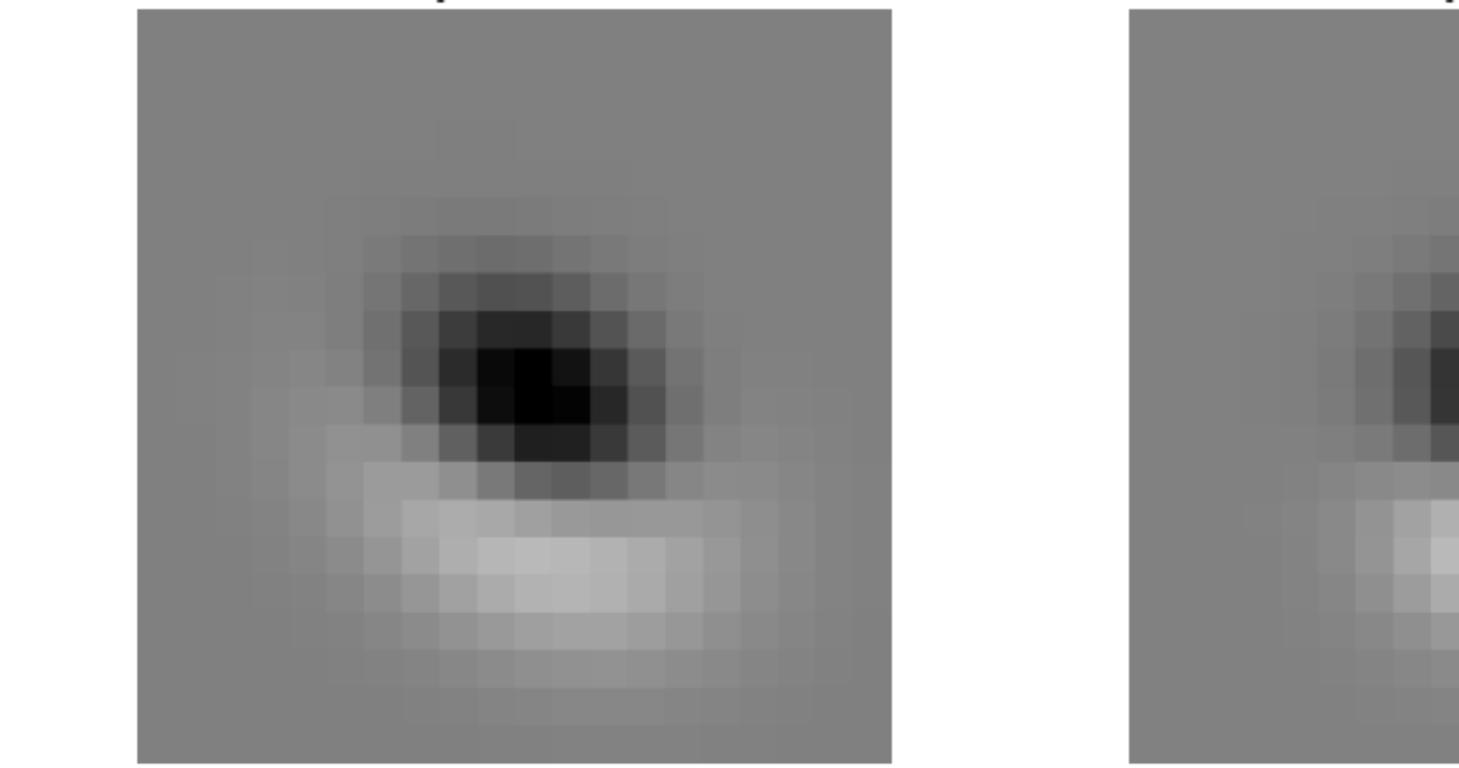
**STA**  
Cell 130 (ii=4)



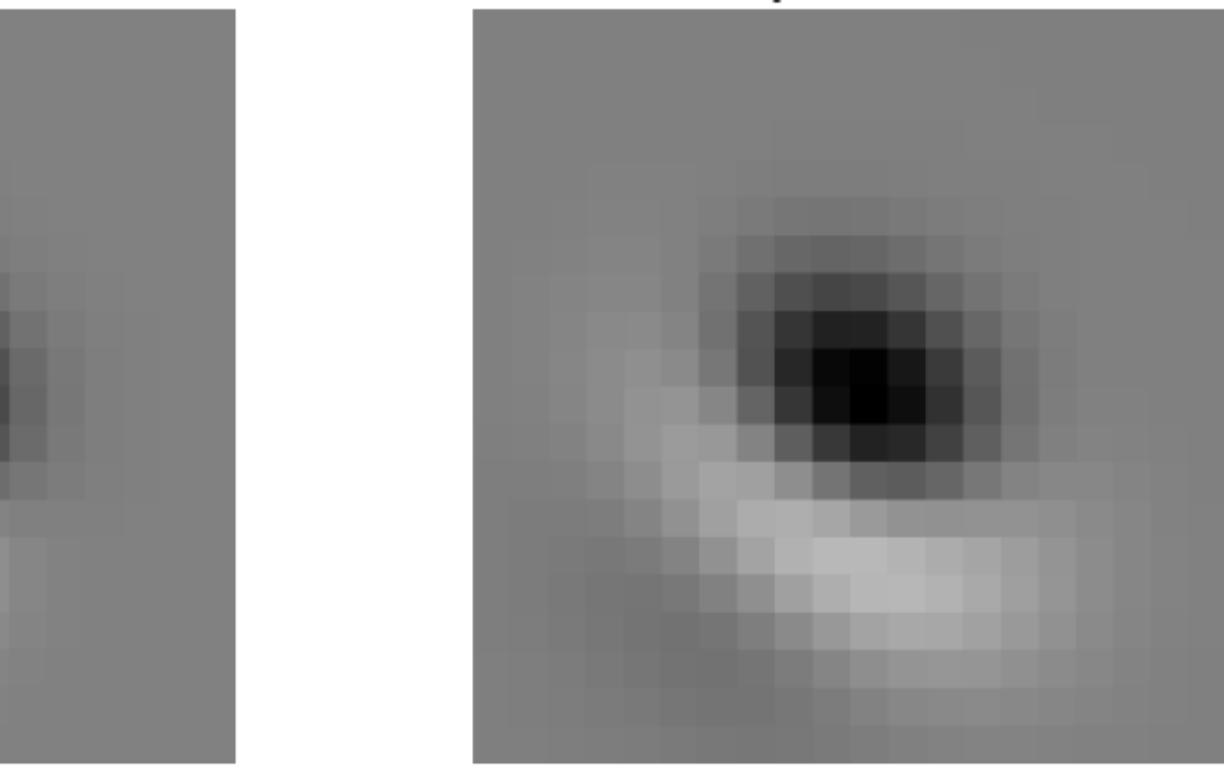
**Circular DoG**  
 $R^2=0.57$  | AICc=-759.6



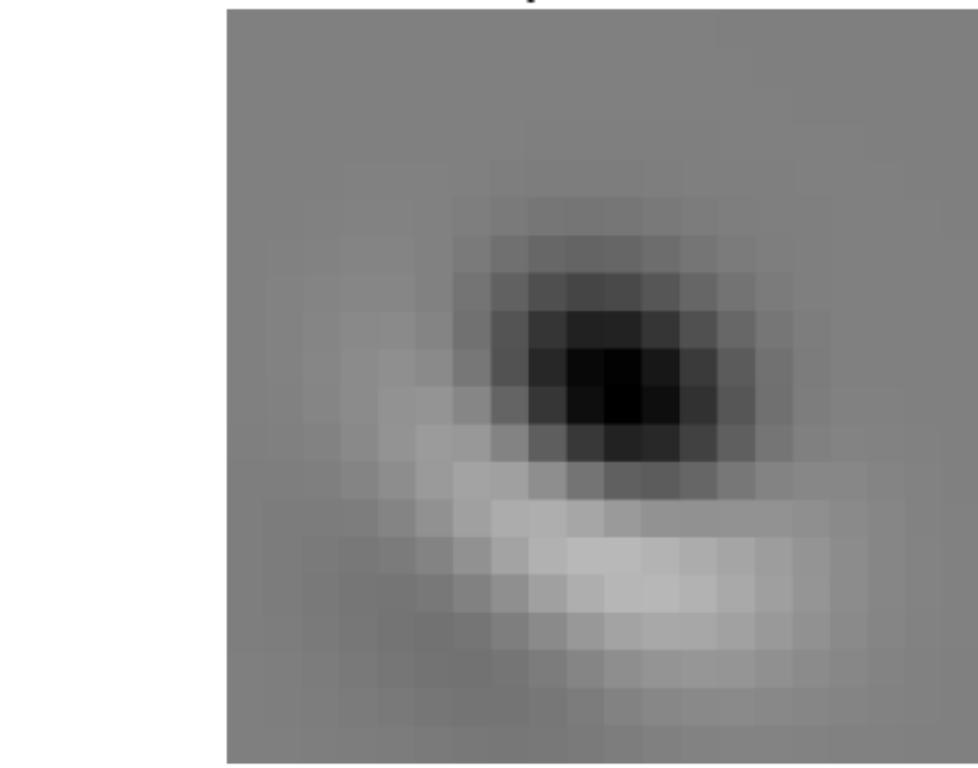
**Elliptical DoG**  
 $R^2=0.61$  | AICc=-793.3



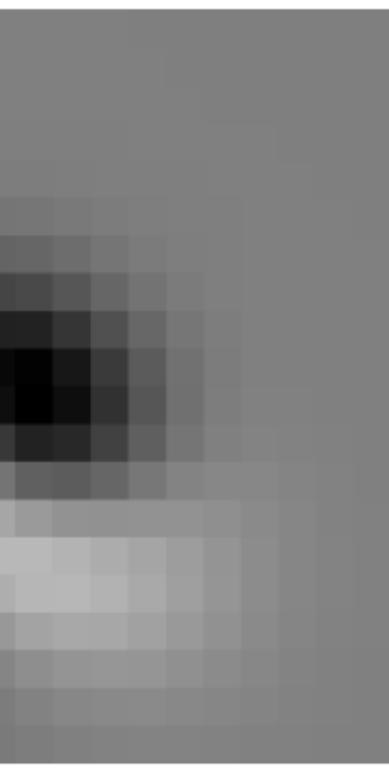
**Noncon DoG**  
 $R^2=0.78$  | AICc=-1014.5



**Custom Gabor**  
 $R^2=0.71$  | AICc=-910.9



**DoG x cos**  
 $R^2=0.79$  | AICc=-1036.6



# RF Model Comparison - Cell 135

**STA**  
Cell 135 (ii=5)

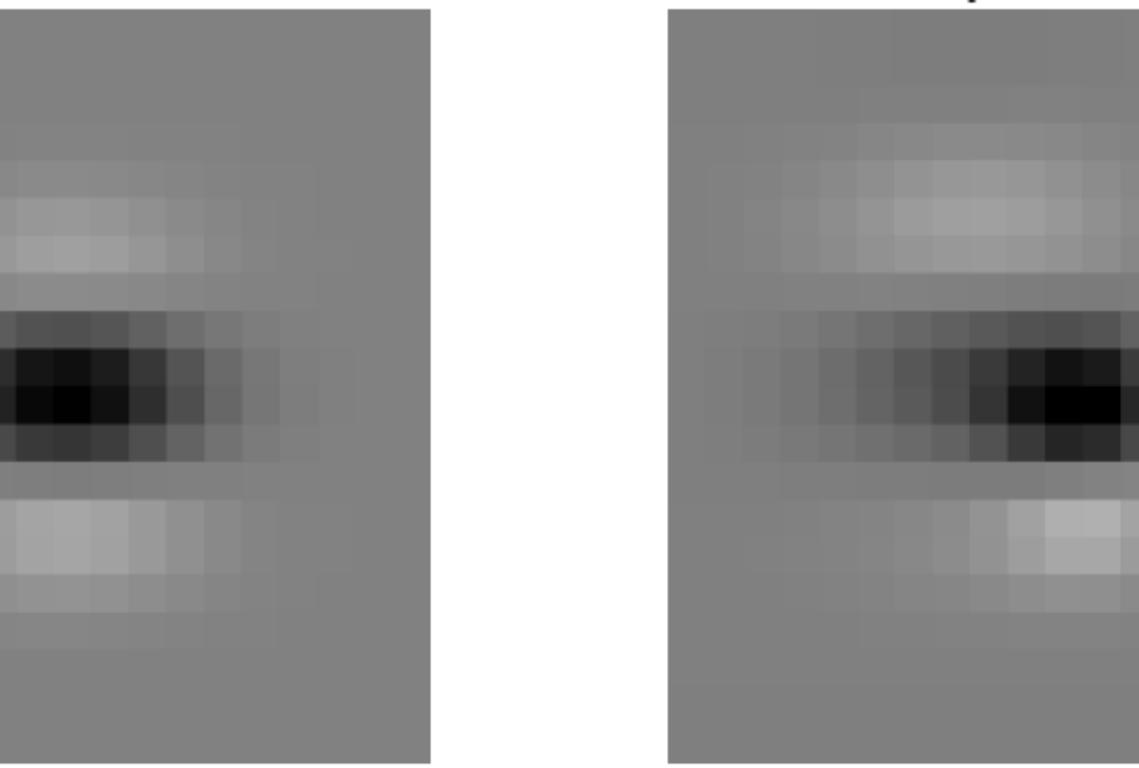
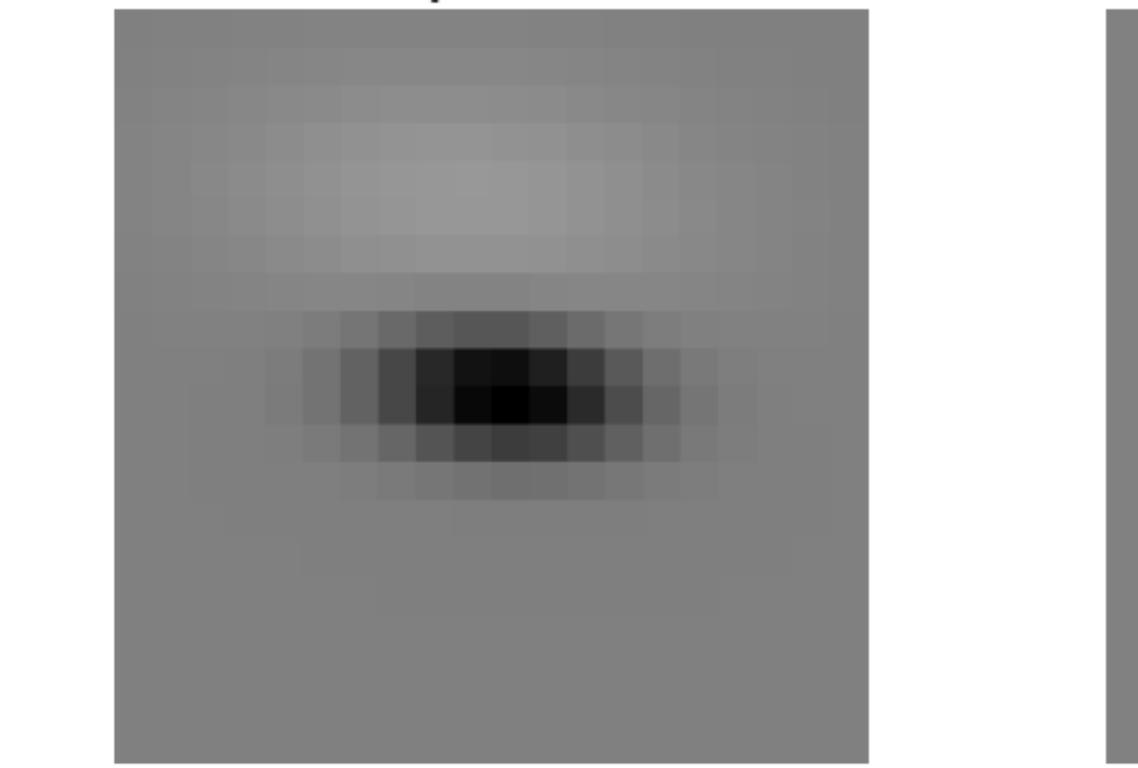
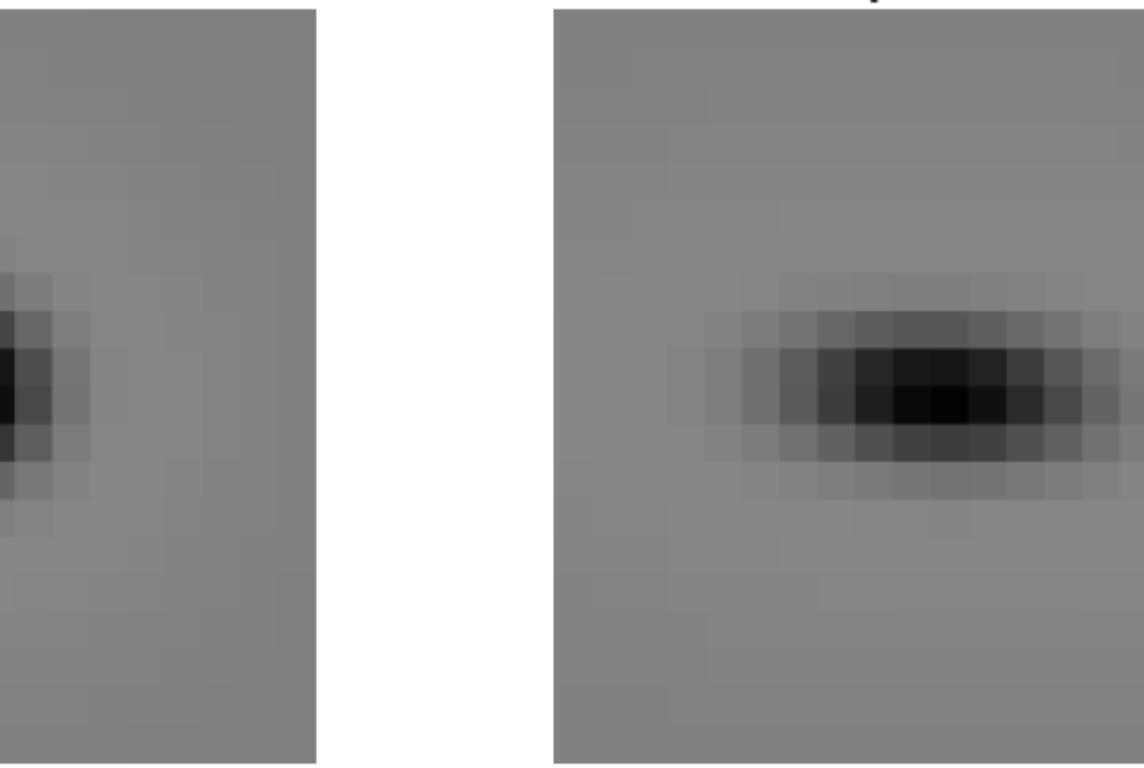
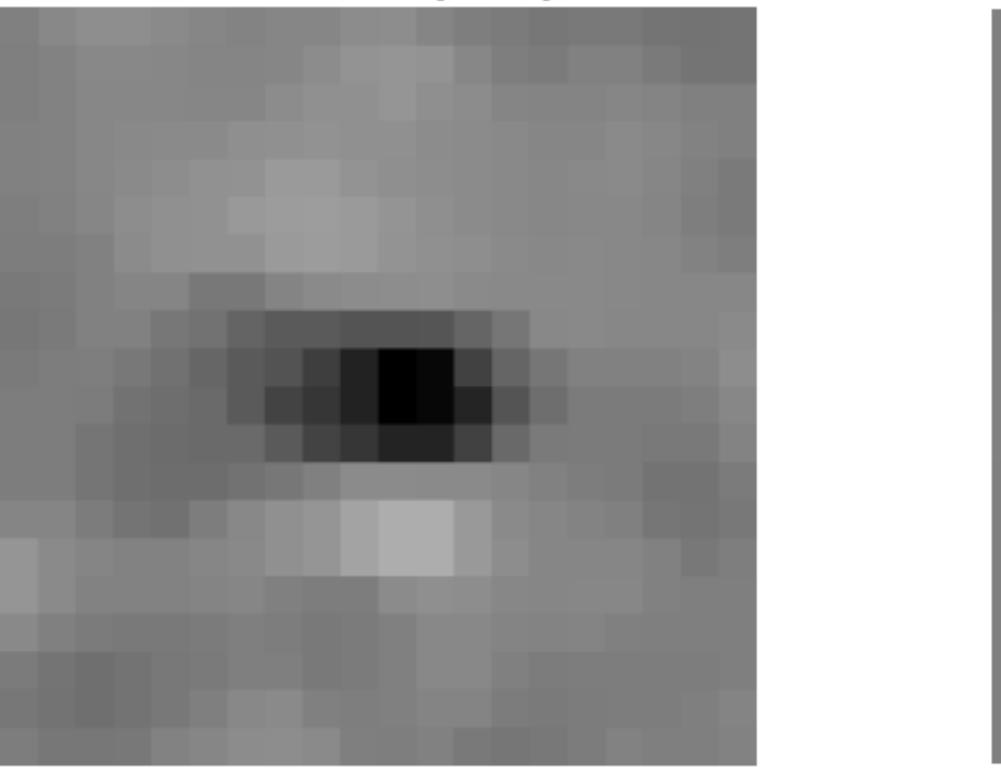
**Circular DoG**  
 $R^2=0.65$  | AICc=-741.0

**Elliptical DoG**  
 $R^2=0.76$  | AICc=-896.9

**Noncon DoG**  
 $R^2=0.80$  | AICc=-967.7

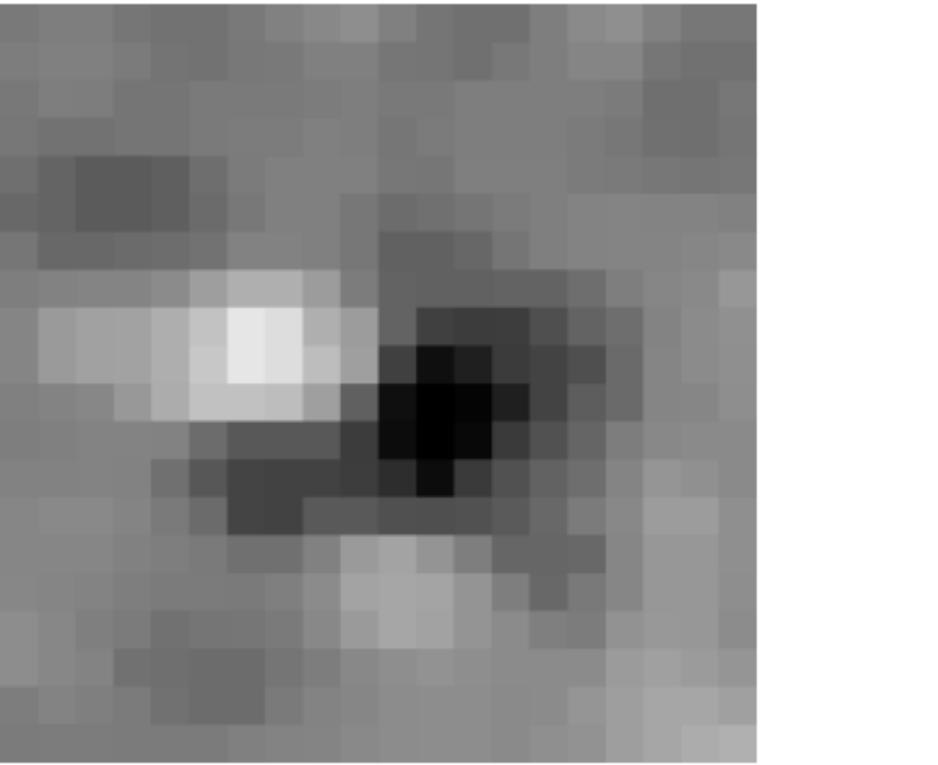
**Custom Gabor**  
 $R^2=0.85$  | AICc=-1076.9

**DoG x cos**  
 $R^2=0.89$  | AICc=-1194.3

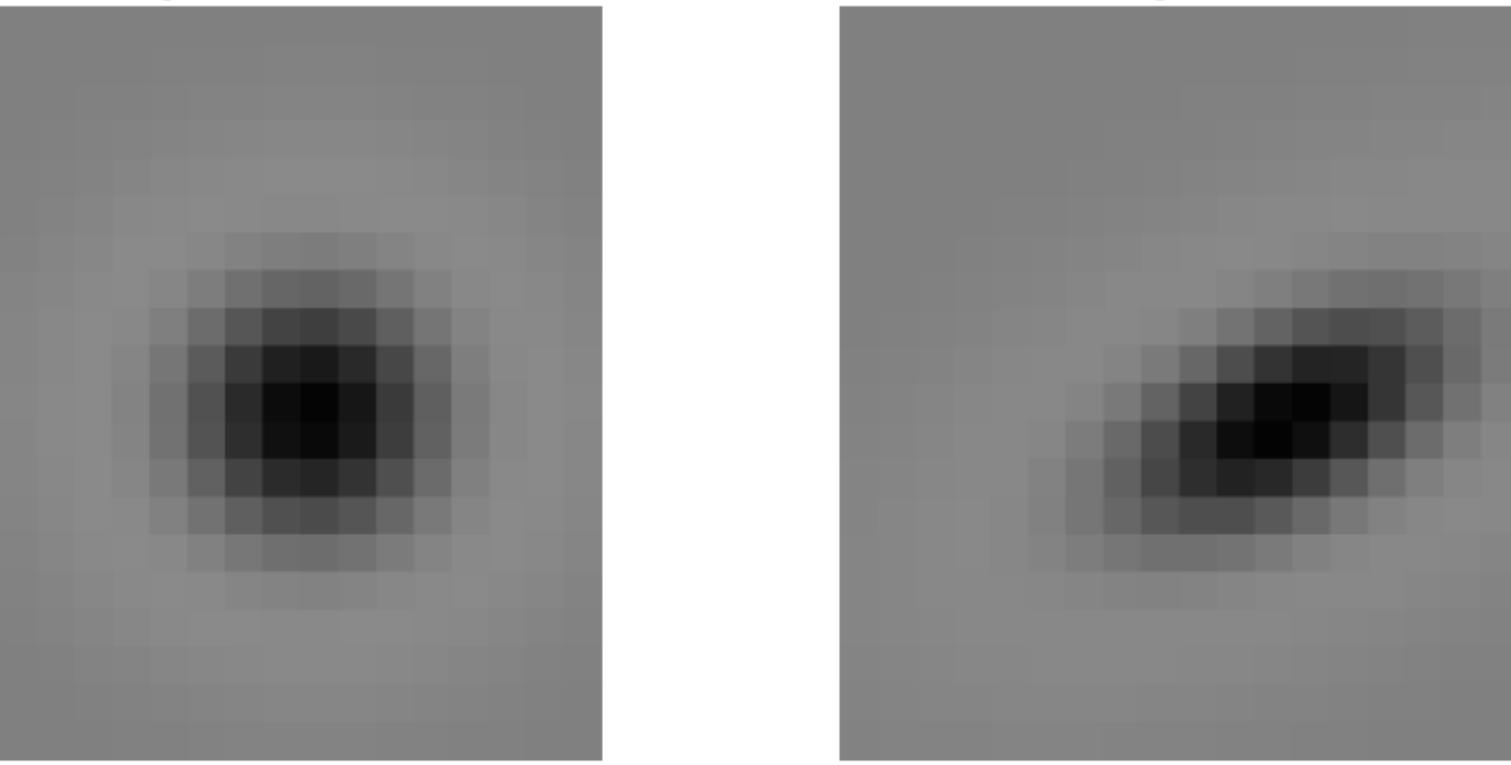


# RF Model Comparison - Cell 137

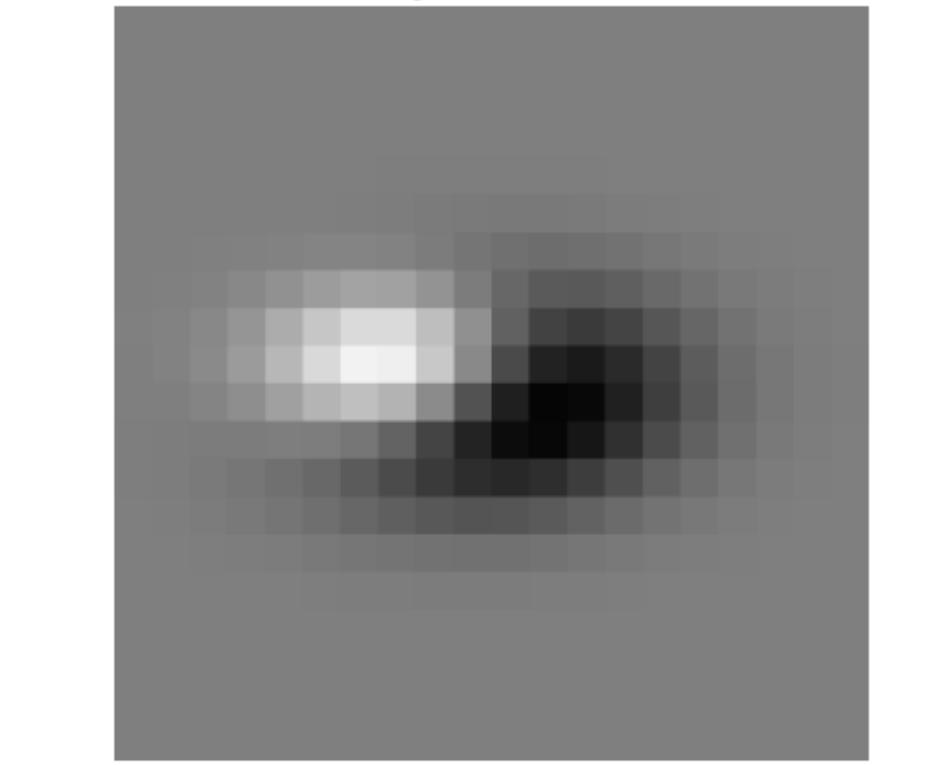
**STA**  
Cell 137 (ii=6)



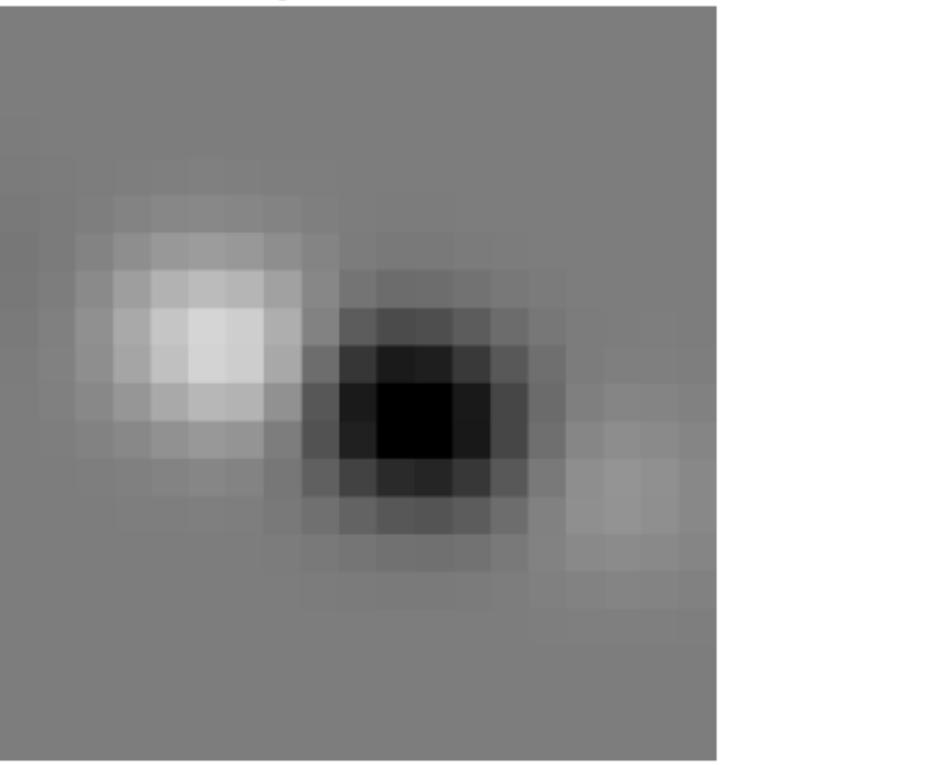
**Circular DoG**  
 $R^2=0.51$  | AICc=-749.7



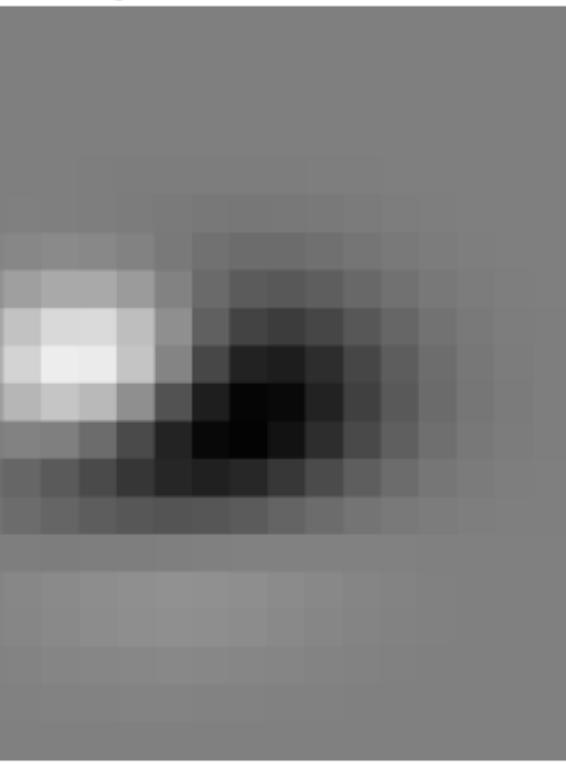
**Elliptical DoG**  
 $R^2=0.54$  | AICc=-772.1



**Noncon DoG**  
 $R^2=0.78$  | AICc=-1058.9



**Custom Gabor**  
 $R^2=0.67$  | AICc=-899.9



**DoG x cos**  
 $R^2=0.79$  | AICc=-1079.1



# RF Model Comparison - Cell 230

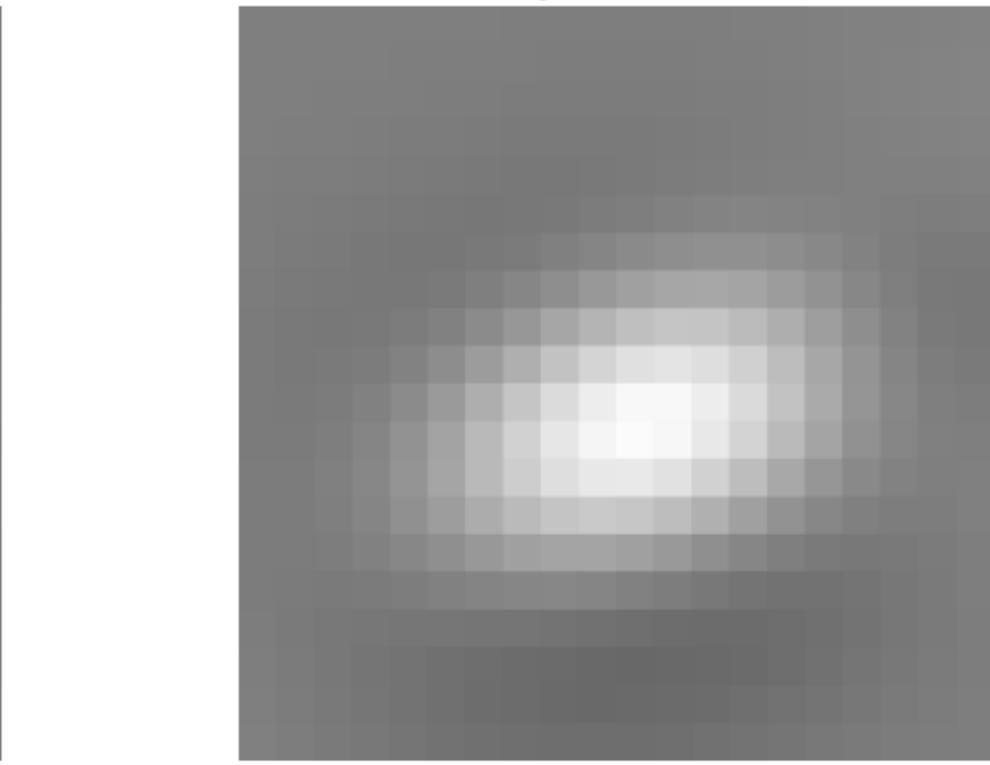
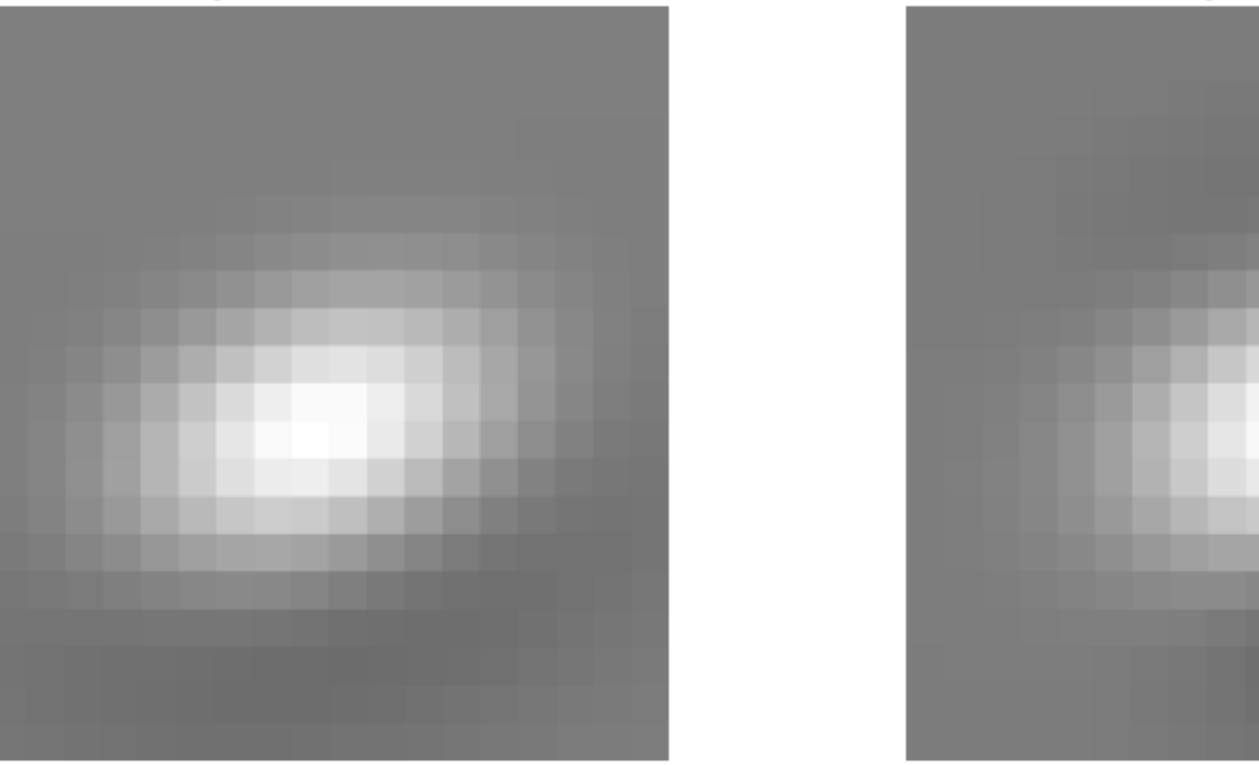
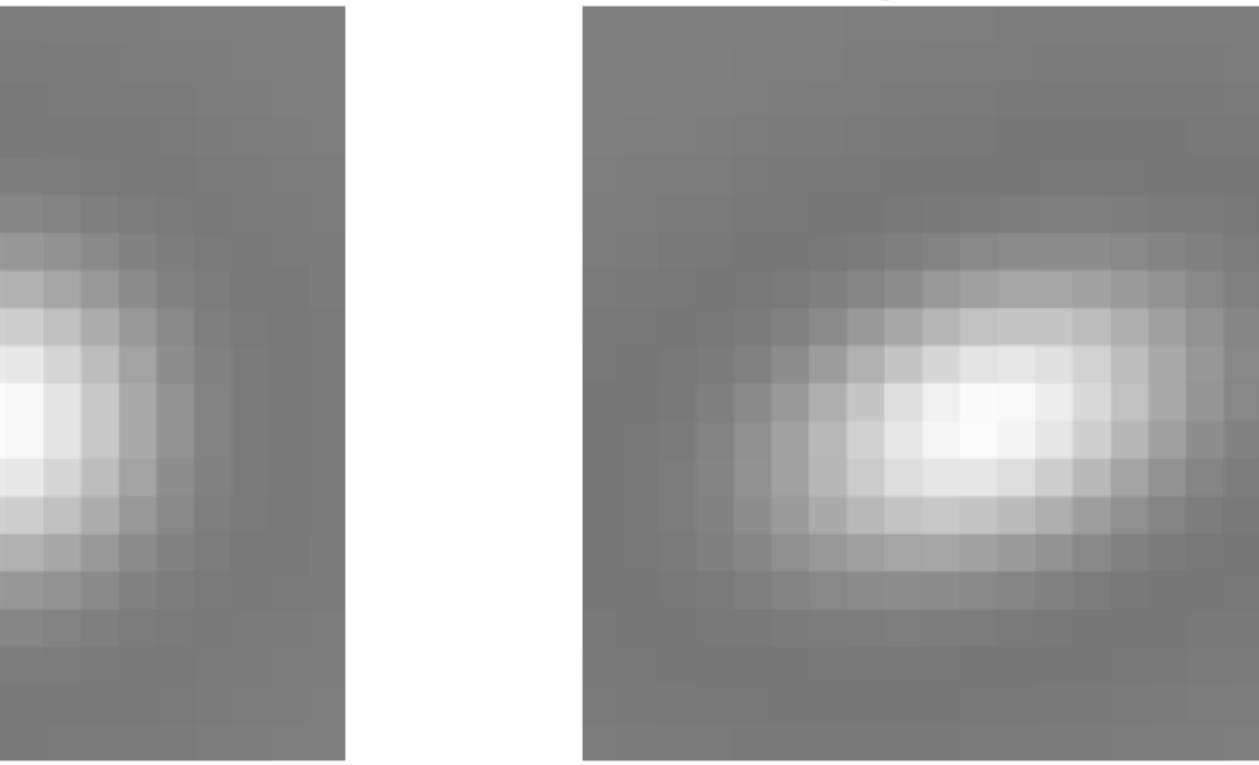
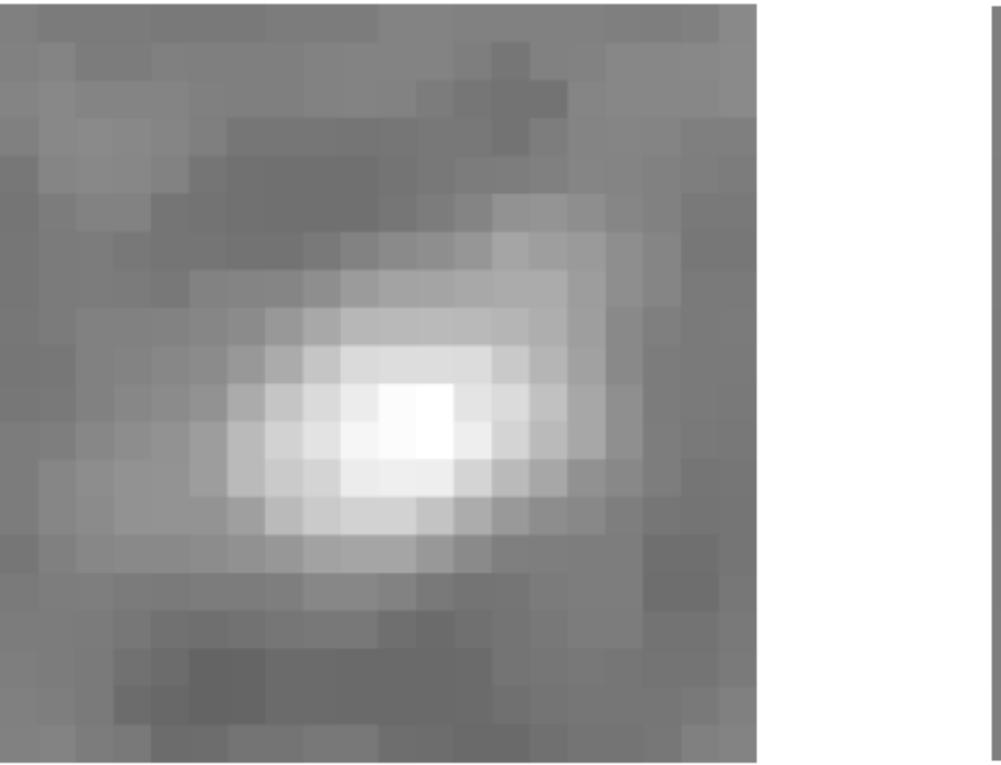
**STA**  
Cell 230 (ii=7)

**Circular DoG**  
 $R^2=0.85$  | AICc=-811.1

**Elliptical DoG**  
 $R^2=0.93$  | AICc=-1106.0

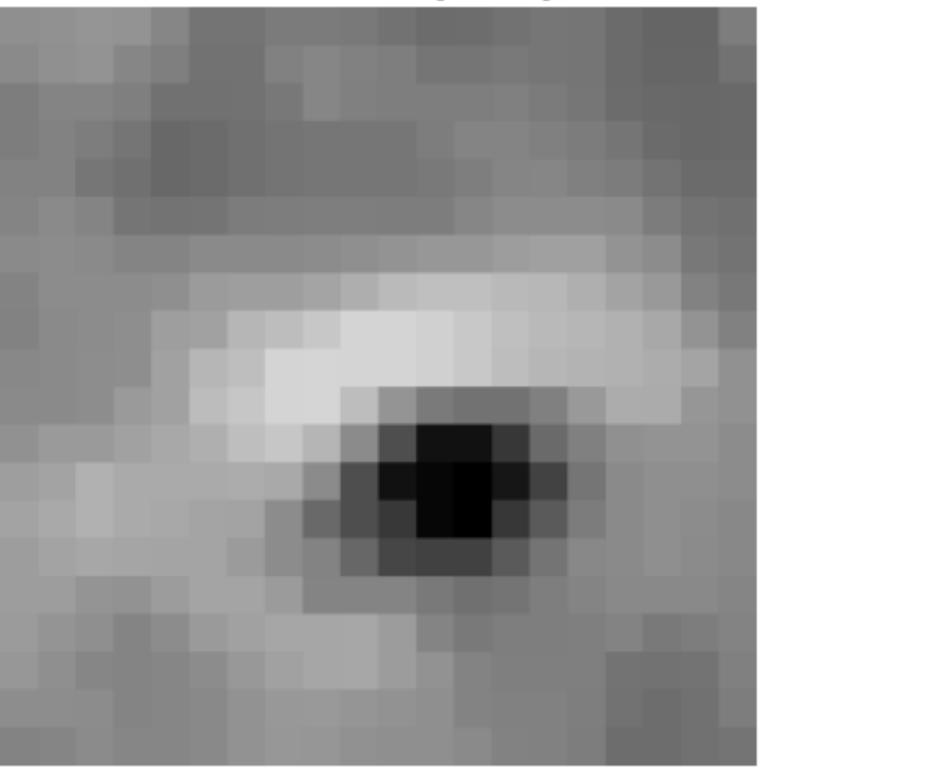
**Noncon DoG**  
 $R^2=0.95$  | AICc=-1246.4

**Custom Gabor**  
 $R^2=0.94$  | AICc=-1176.4

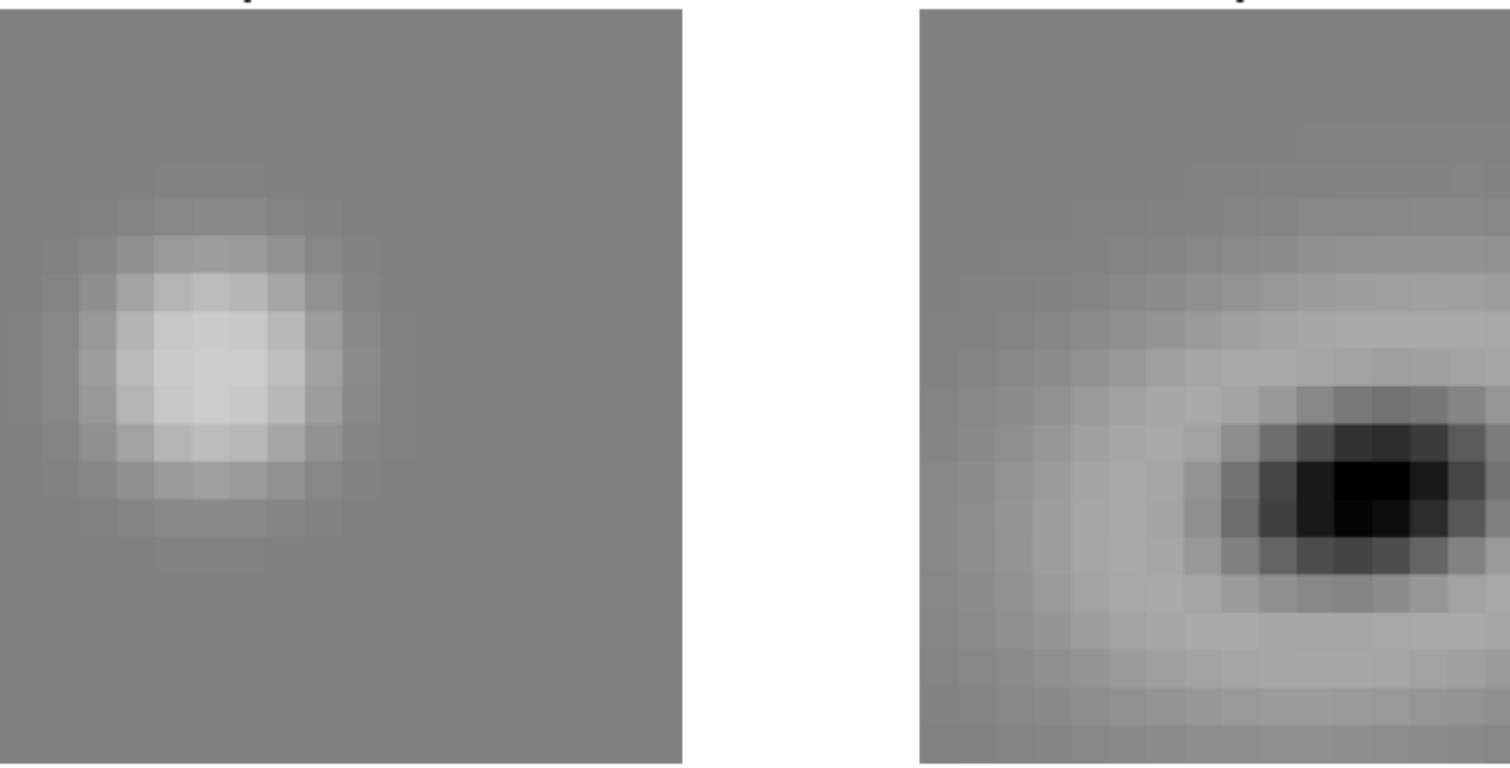


# RF Model Comparison - Cell 232

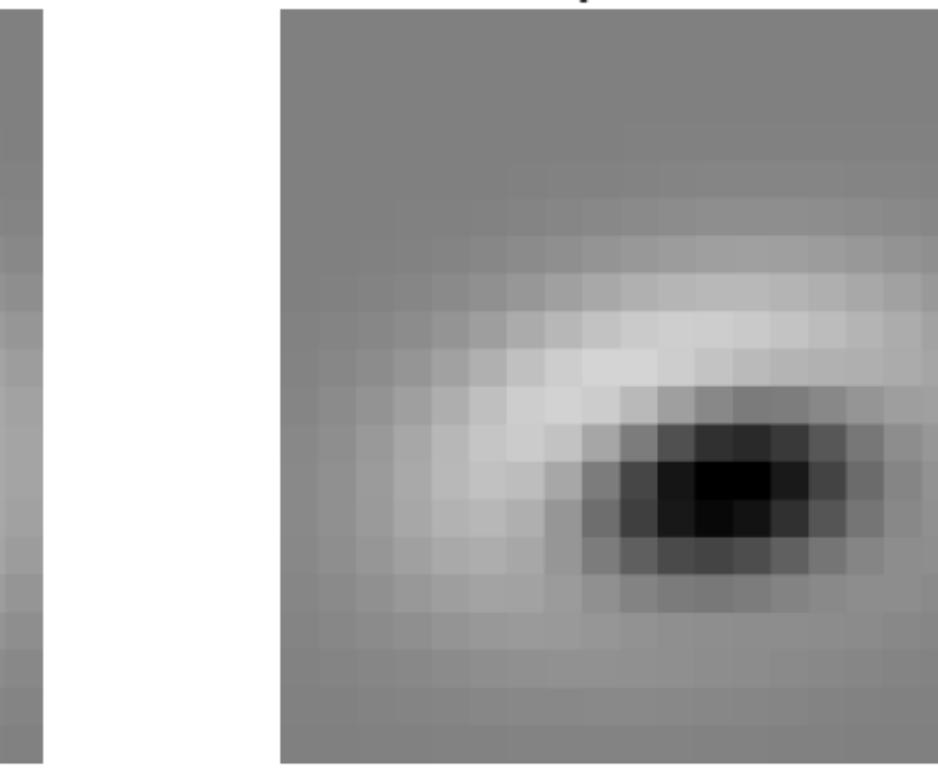
**STA**  
Cell 232 (ii=8)



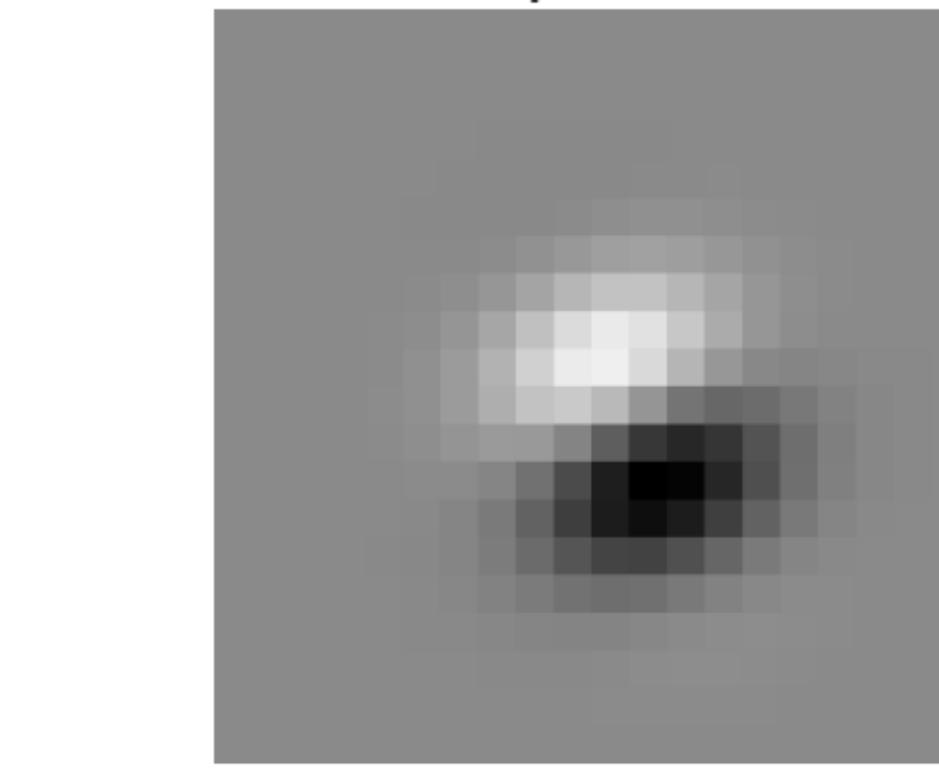
**Circular DoG**  
 $R^2=0.18$  | AICc=-362.6



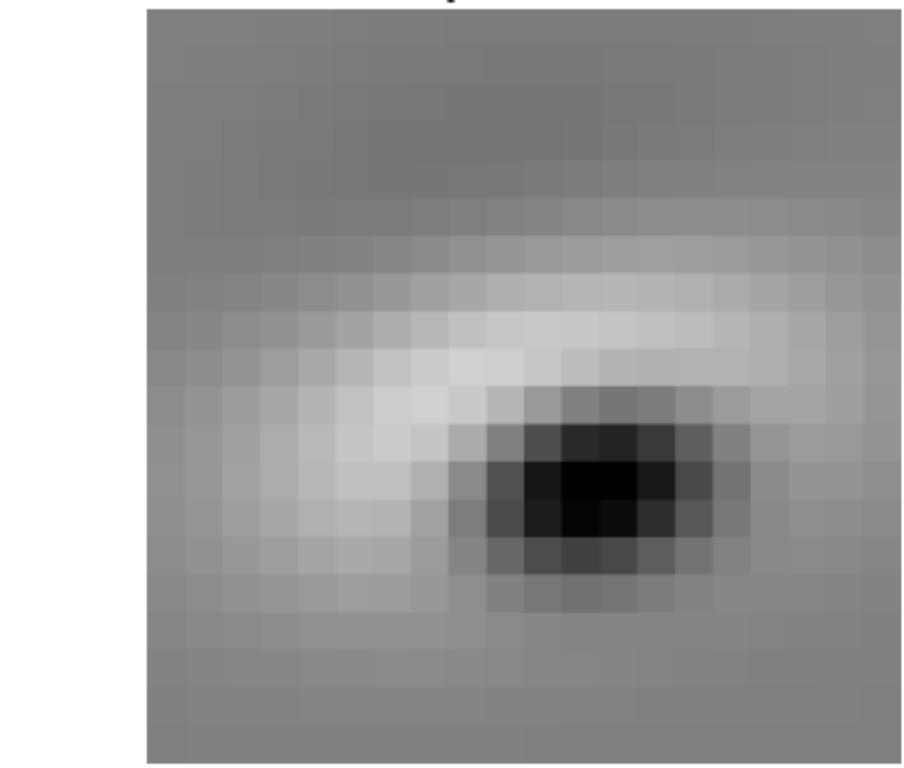
**Elliptical DoG**  
 $R^2=0.69$  | AICc=-749.5



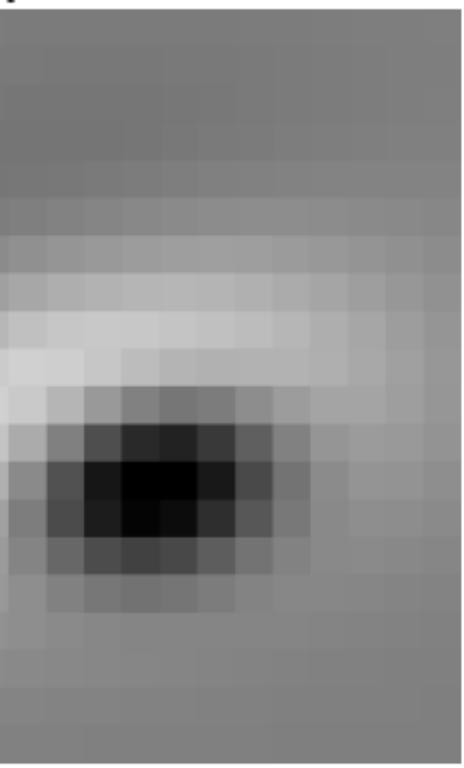
**Noncon DoG**  
 $R^2=0.87$  | AICc=-1096.1



**Custom Gabor**  
 $R^2=0.64$  | AICc=-683.3

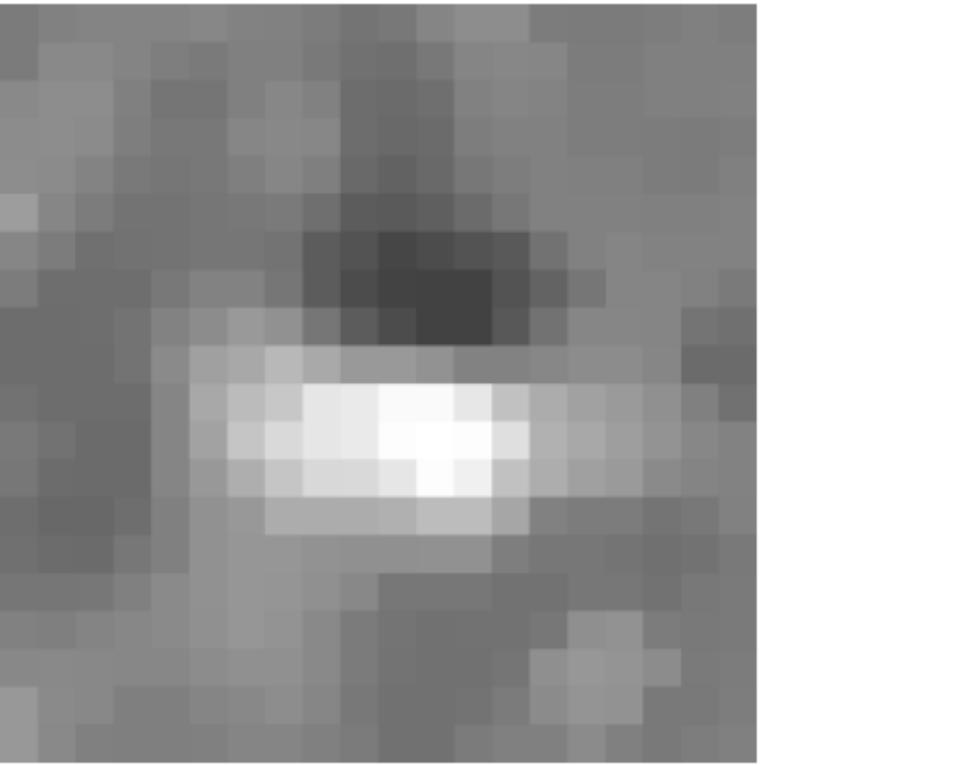


**DoG x cos**  
 $R^2=0.88$  | AICc=-1120.4

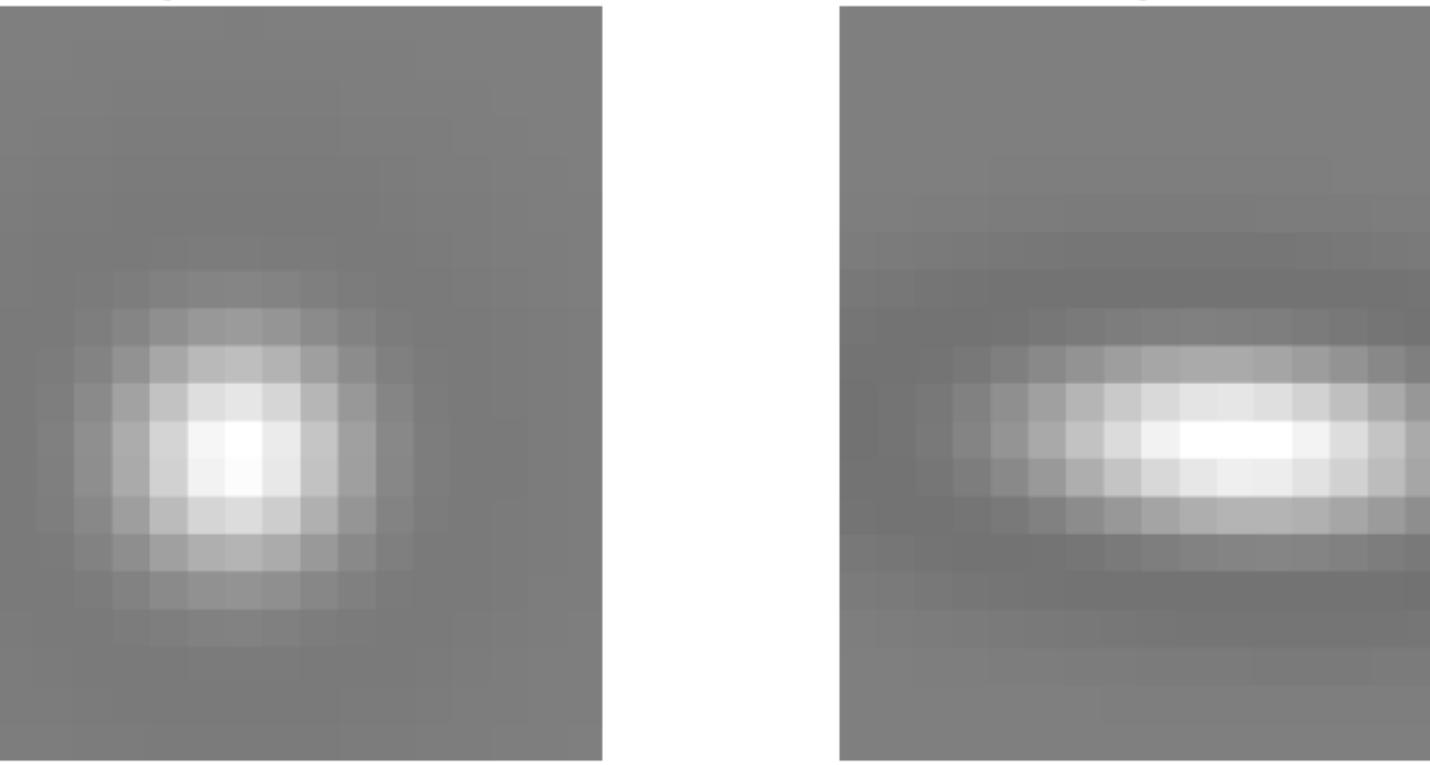


# RF Model Comparison - Cell 250

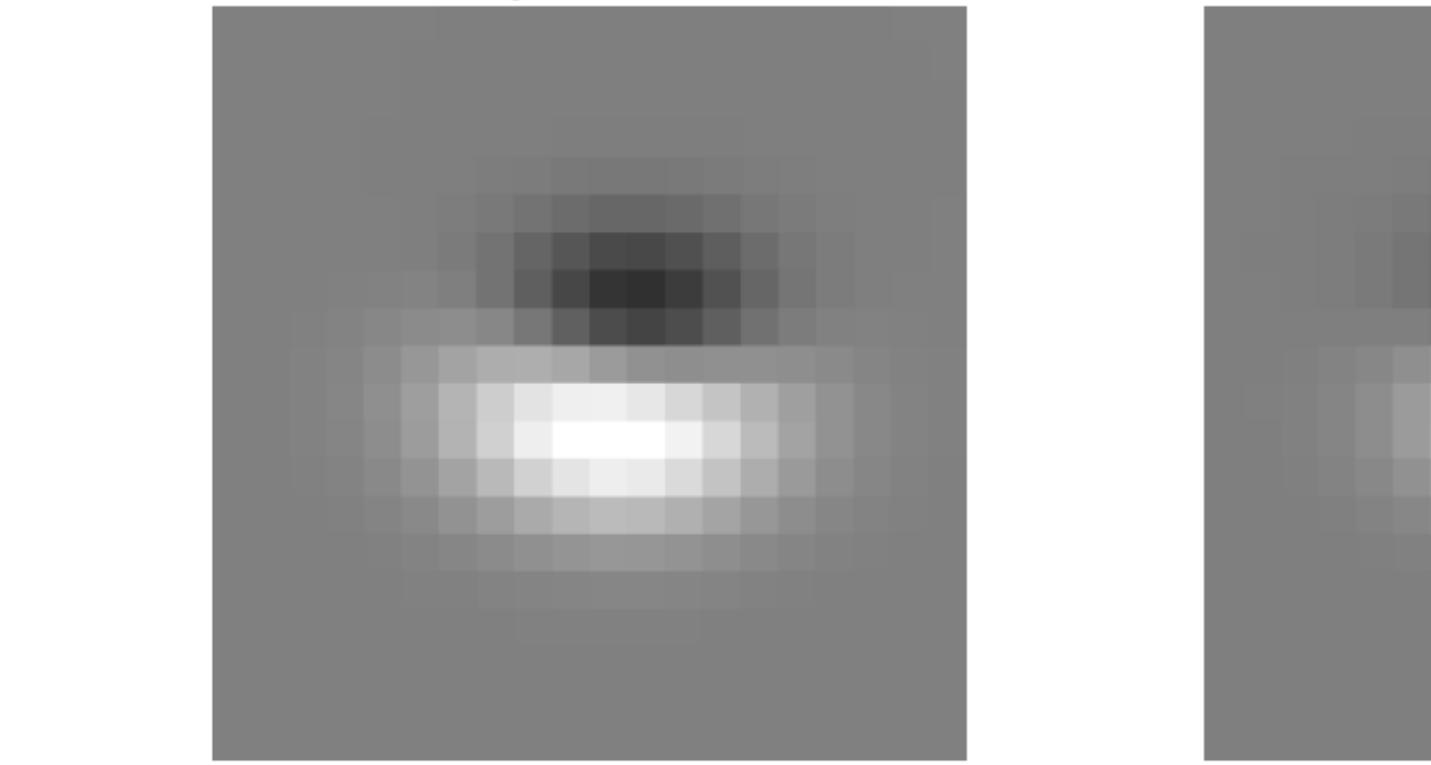
**STA**  
Cell 250 (ii=9)



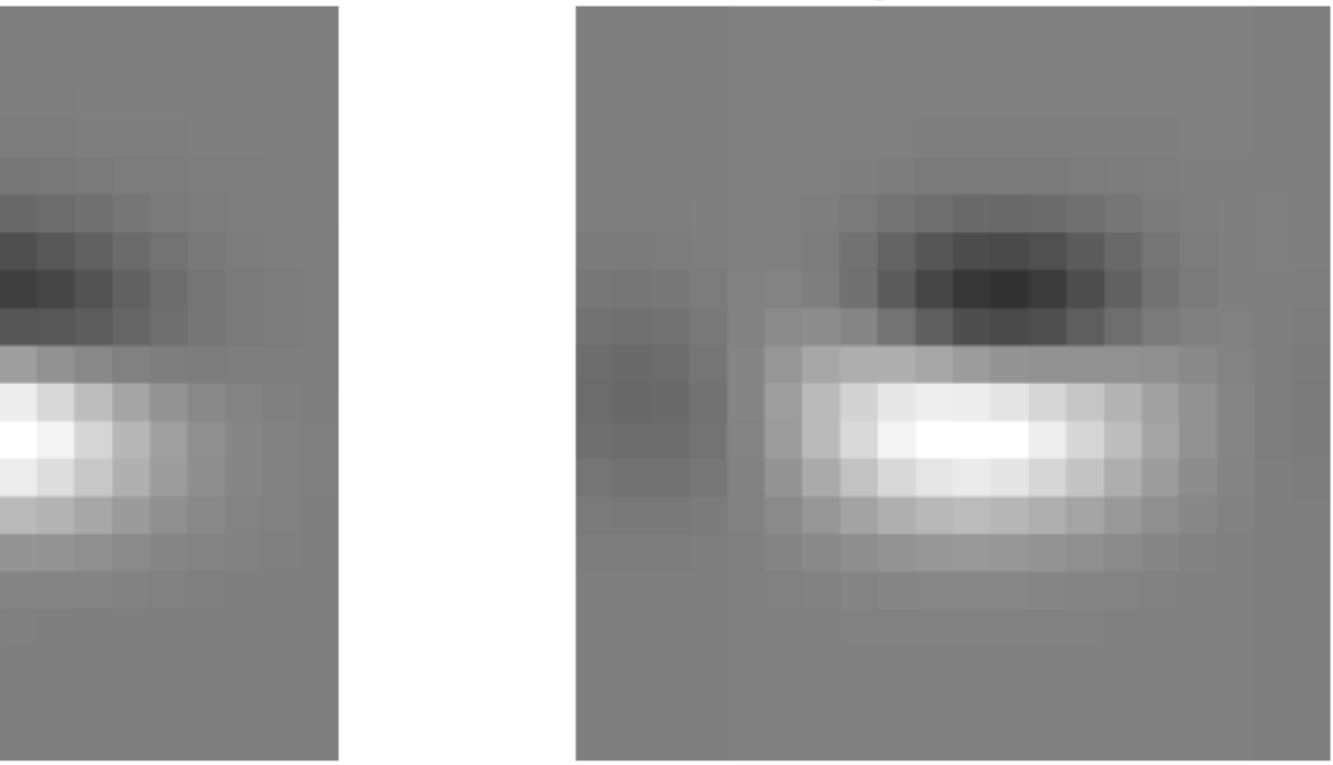
**Circular DoG**  
 $R^2=0.55$  | AICc=-765.1



**Elliptical DoG**  
 $R^2=0.76$  | AICc=-1009.1



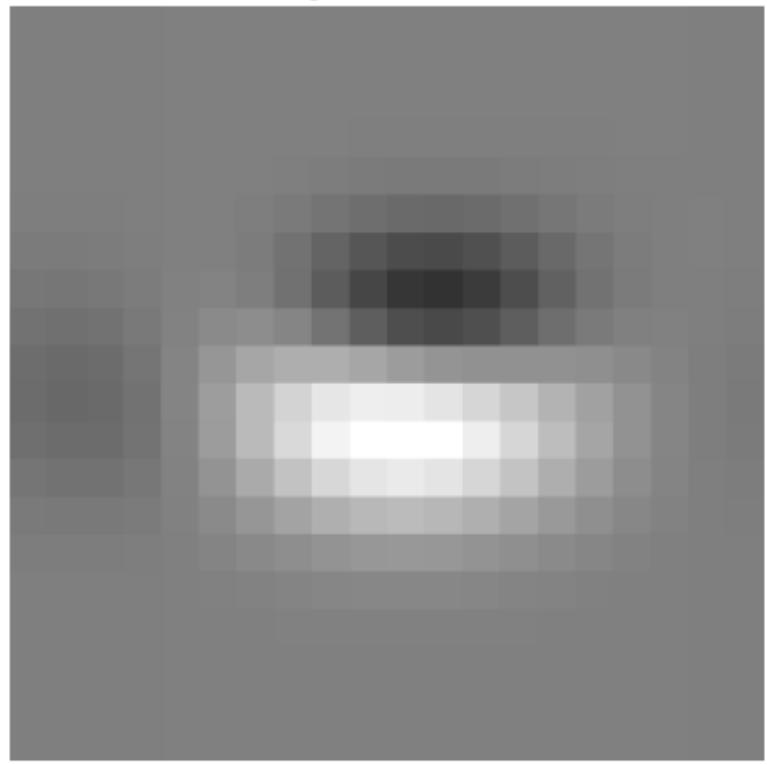
**Noncon DoG**  
 $R^2=0.86$  | AICc=-1236.1



**Custom Gabor**  
 $R^2=0.85$  | AICc=-1191.3

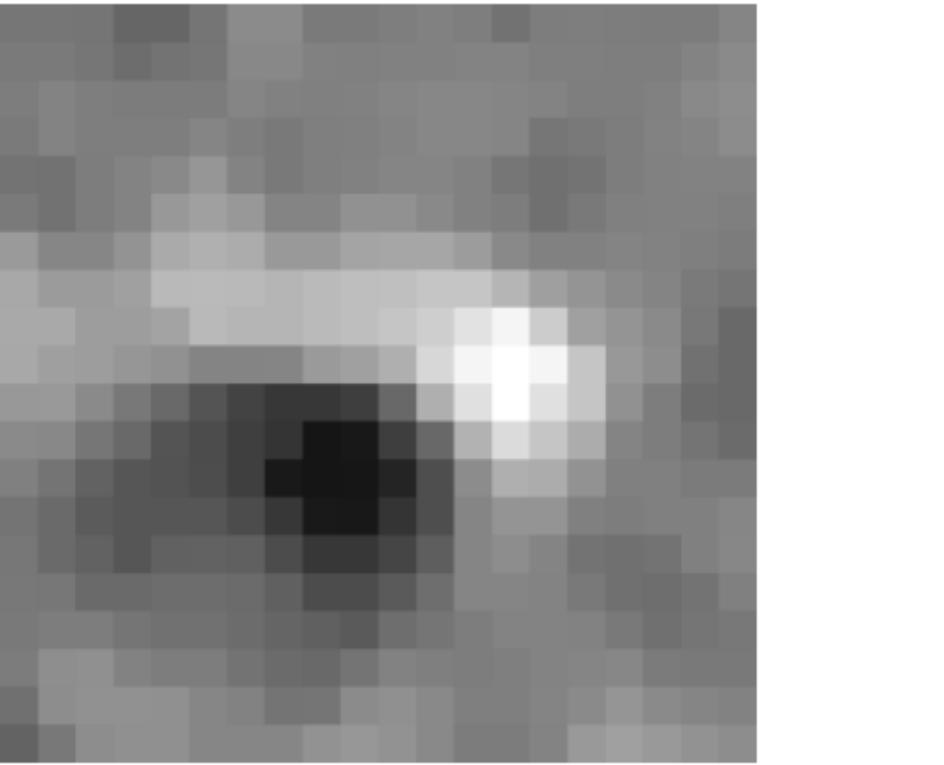


**DoG x cos**  
 $R^2=0.89$  | AICc=-1305.7

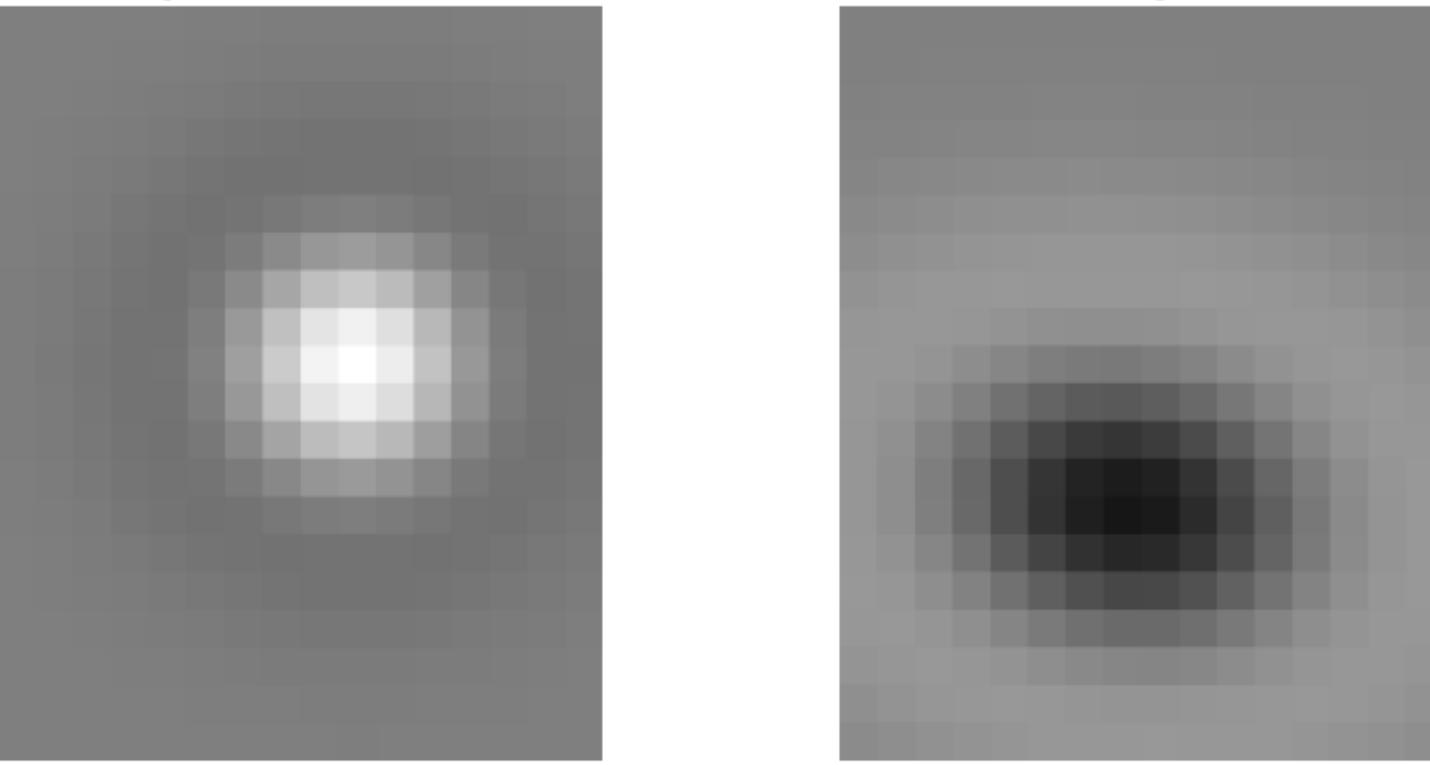


# RF Model Comparison - Cell 252

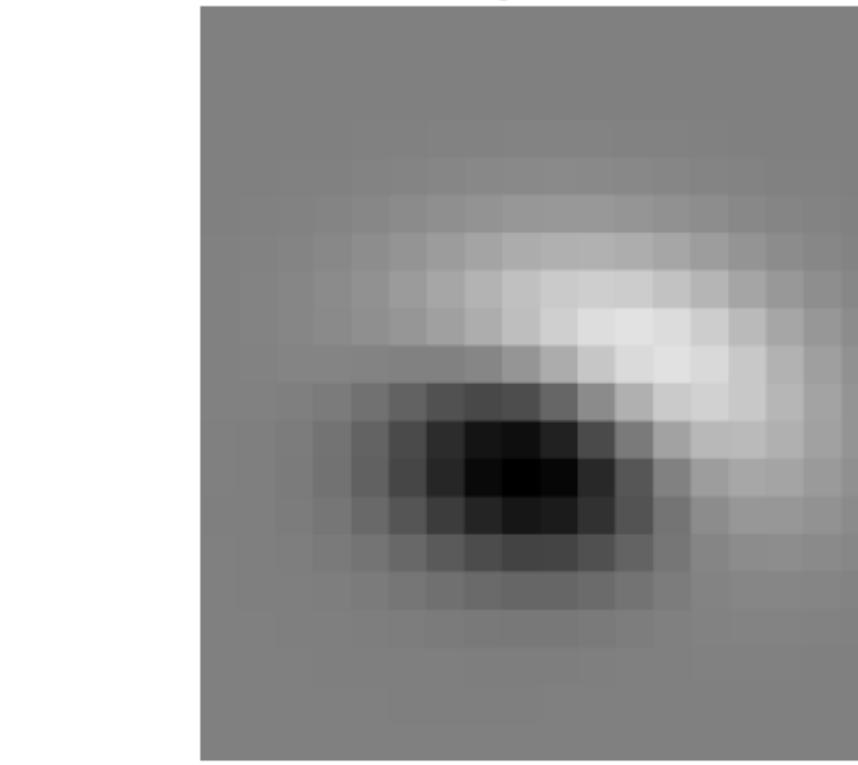
**STA**  
Cell 252 (ii=10)



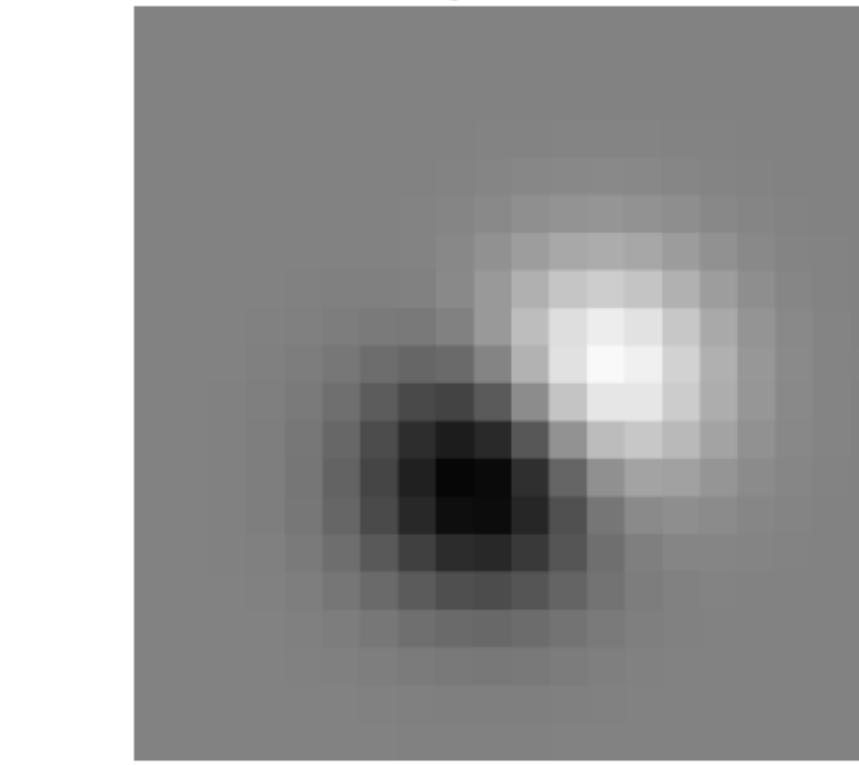
**Circular DoG**  
 $R^2=0.38$  | AICc=-588.2



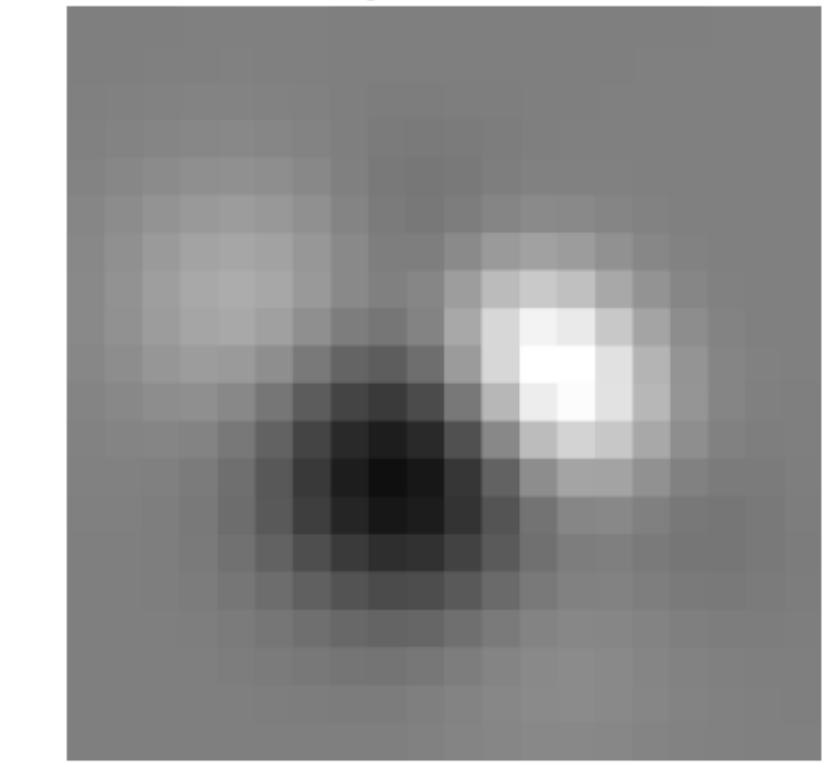
**Elliptical DoG**  
 $R^2=0.52$  | AICc=-690.2



**Noncon DoG**  
 $R^2=0.81$  | AICc=-1045.9



**Custom Gabor**  
 $R^2=0.74$  | AICc=-925.2

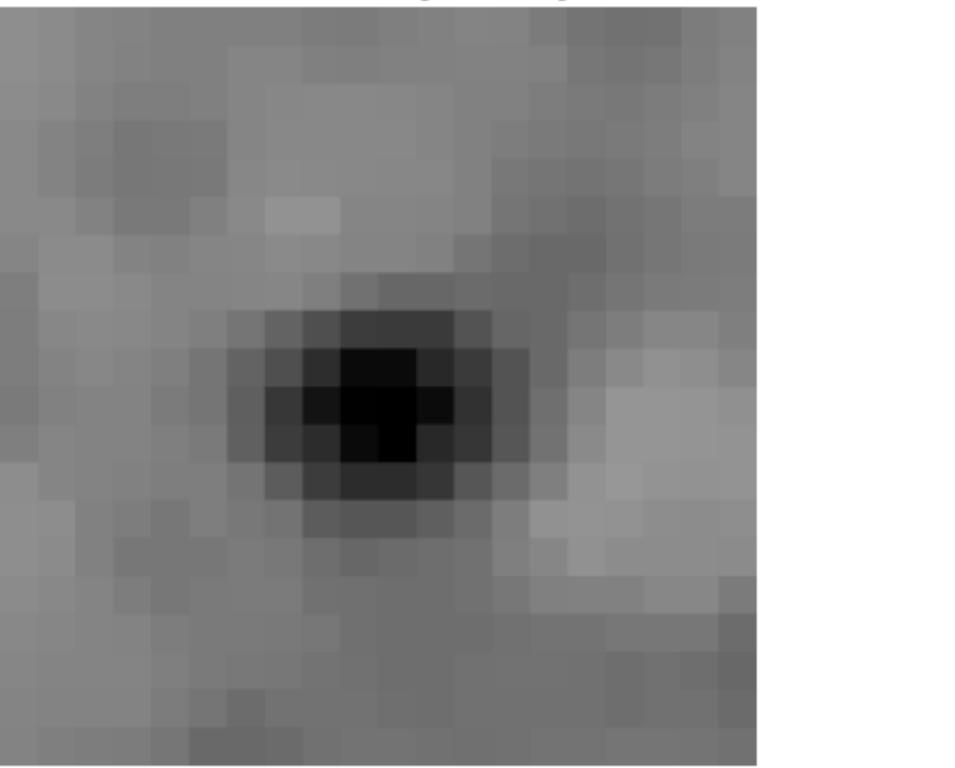


**DoG x cos**  
 $R^2=0.80$  | AICc=-1033.3

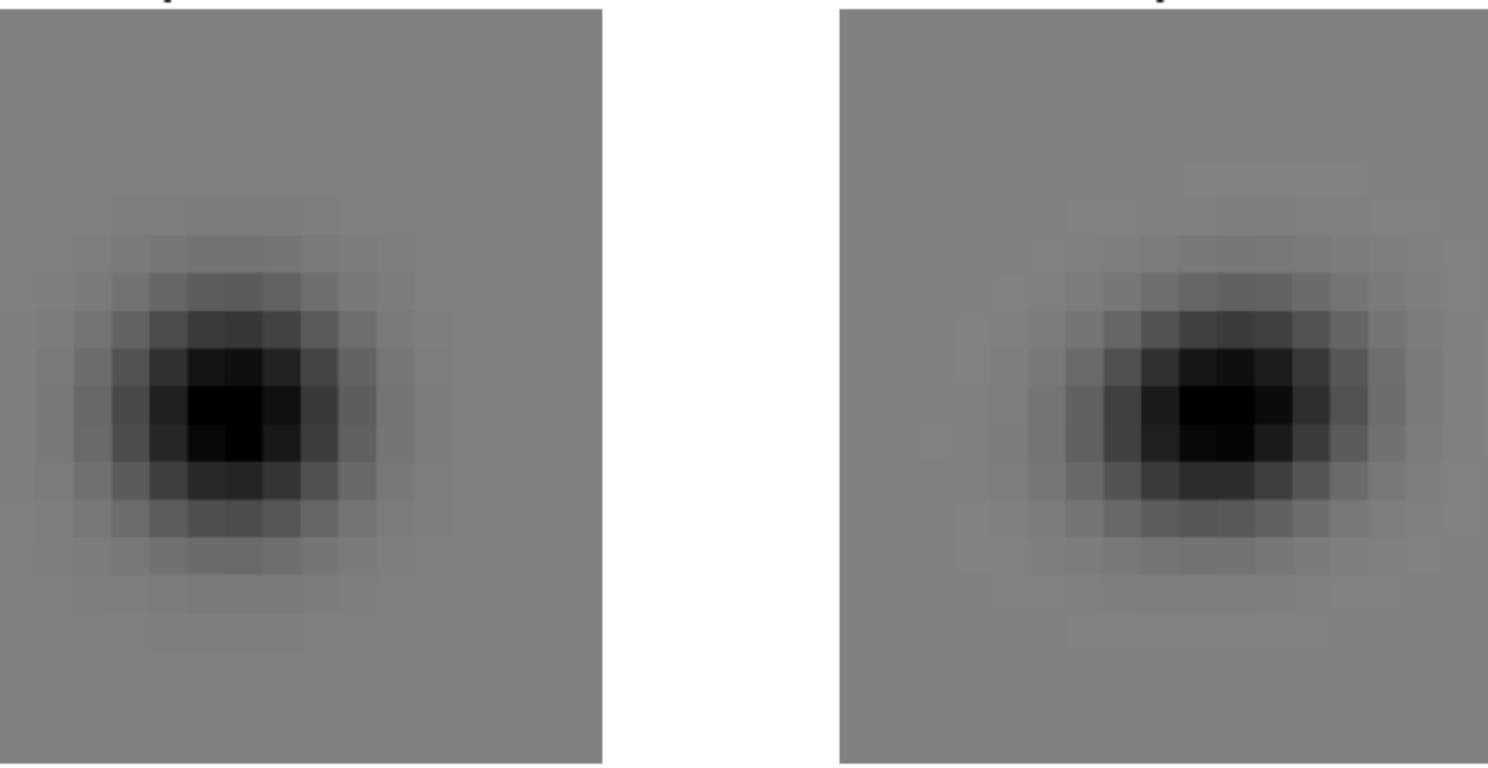


# RF Model Comparison - Cell 319

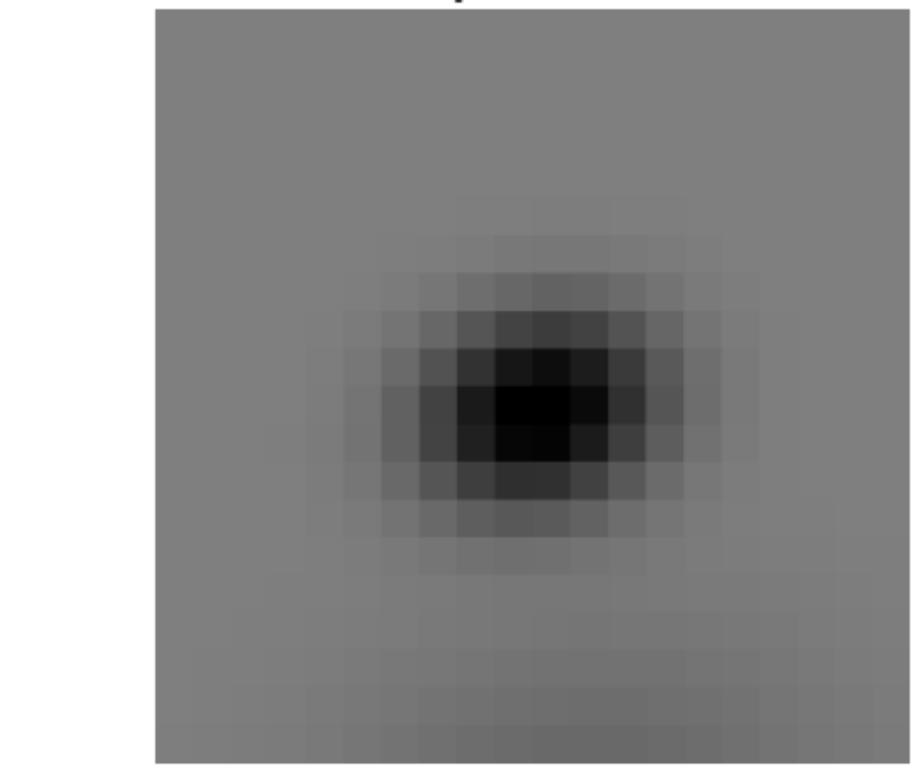
**STA**  
Cell 319 (ii=11)



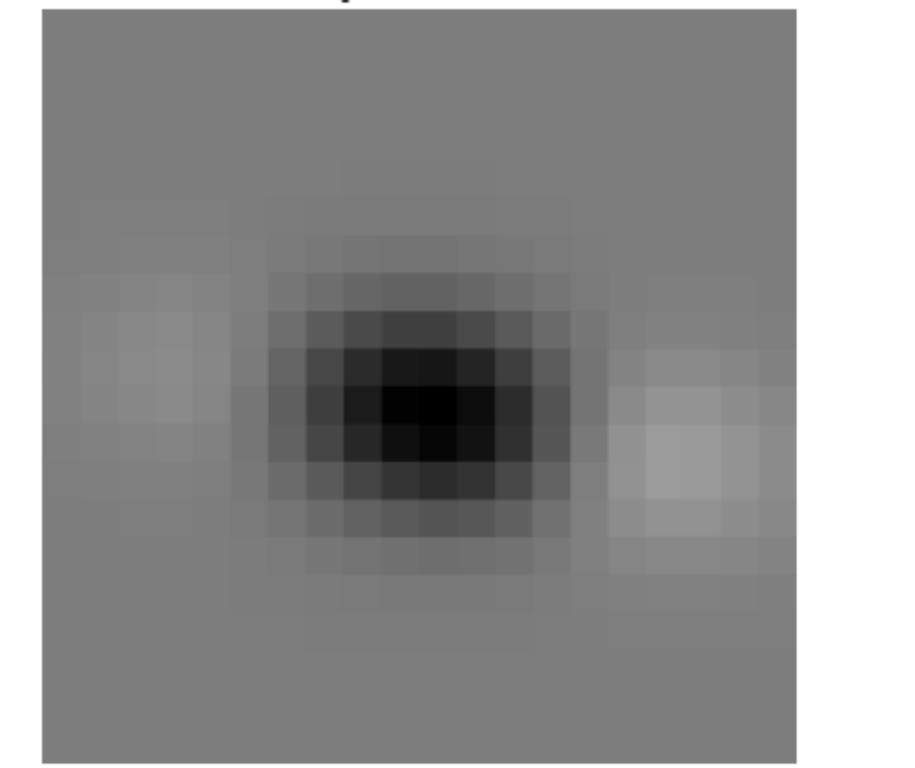
**Circular DoG**  
 $R^2=0.83$  | AICc=-949.3



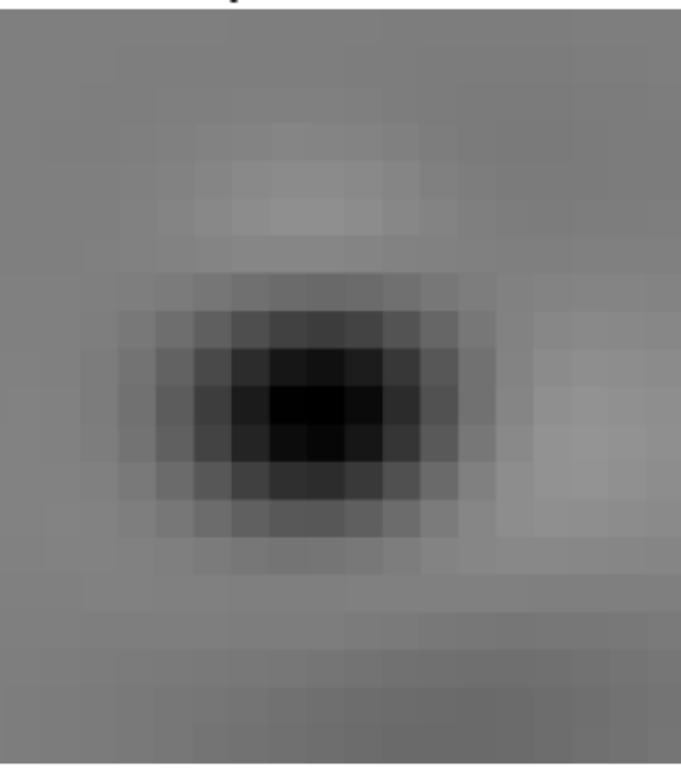
**Elliptical DoG**  
 $R^2=0.84$  | AICc=-973.3



**Noncon DoG**  
 $R^2=0.88$  | AICc=-1074.0



**Custom Gabor**  
 $R^2=0.87$  | AICc=-1062.1

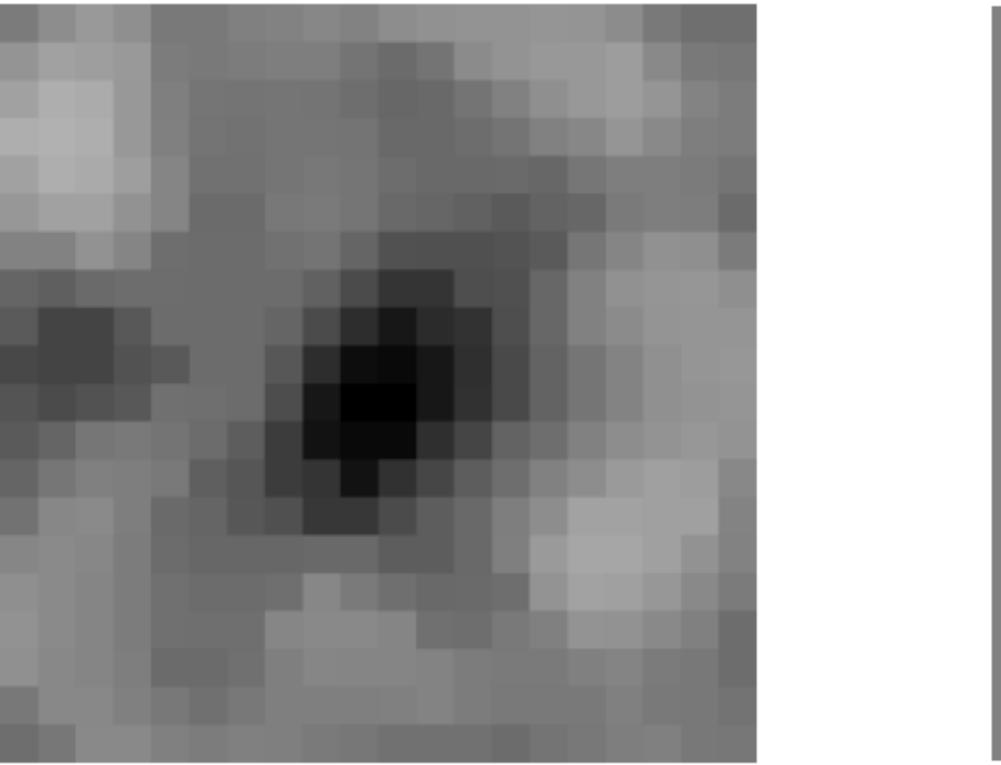


**DoG x cos**  
 $R^2=0.92$  | AICc=-1231.8

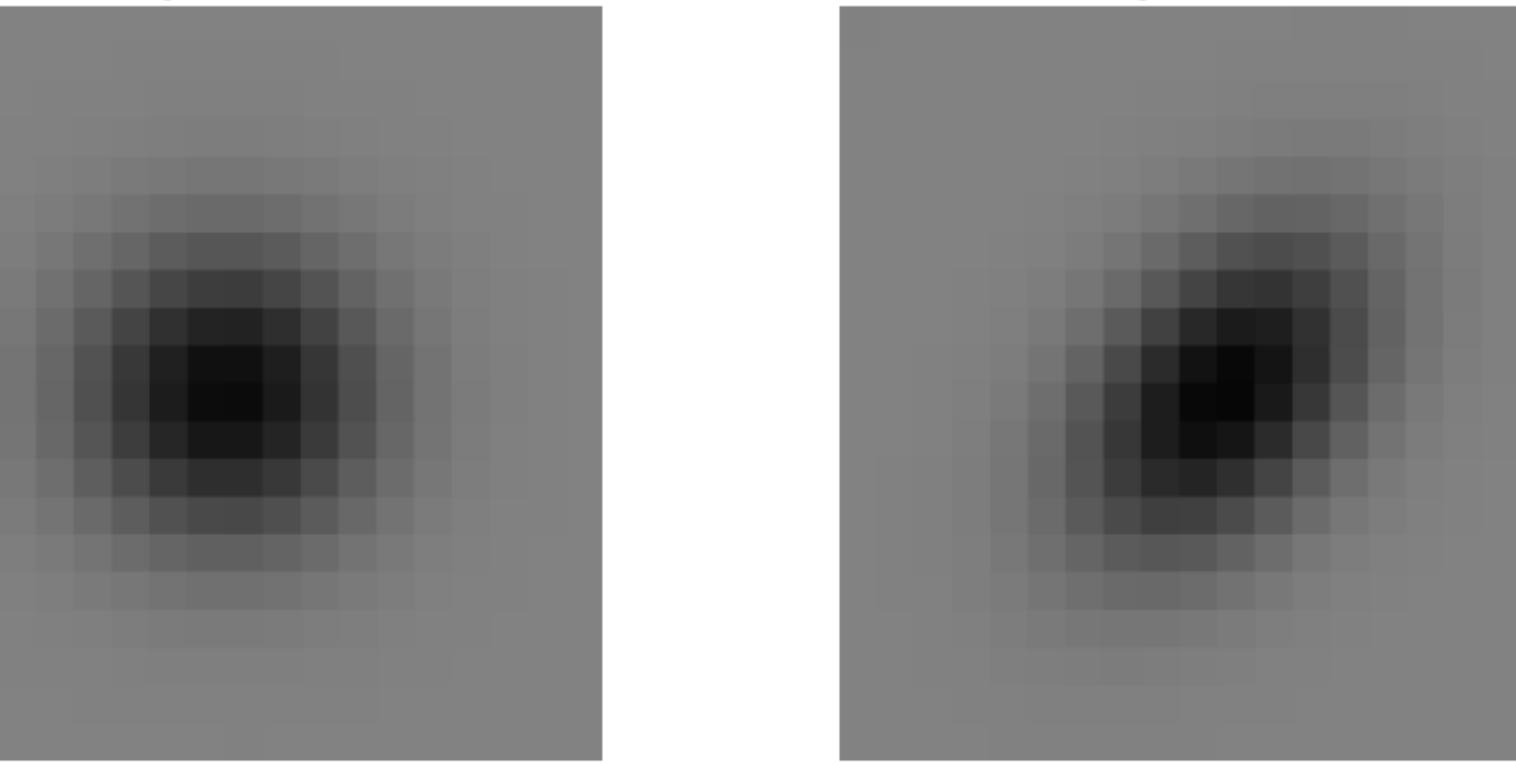


# RF Model Comparison - Cell 328

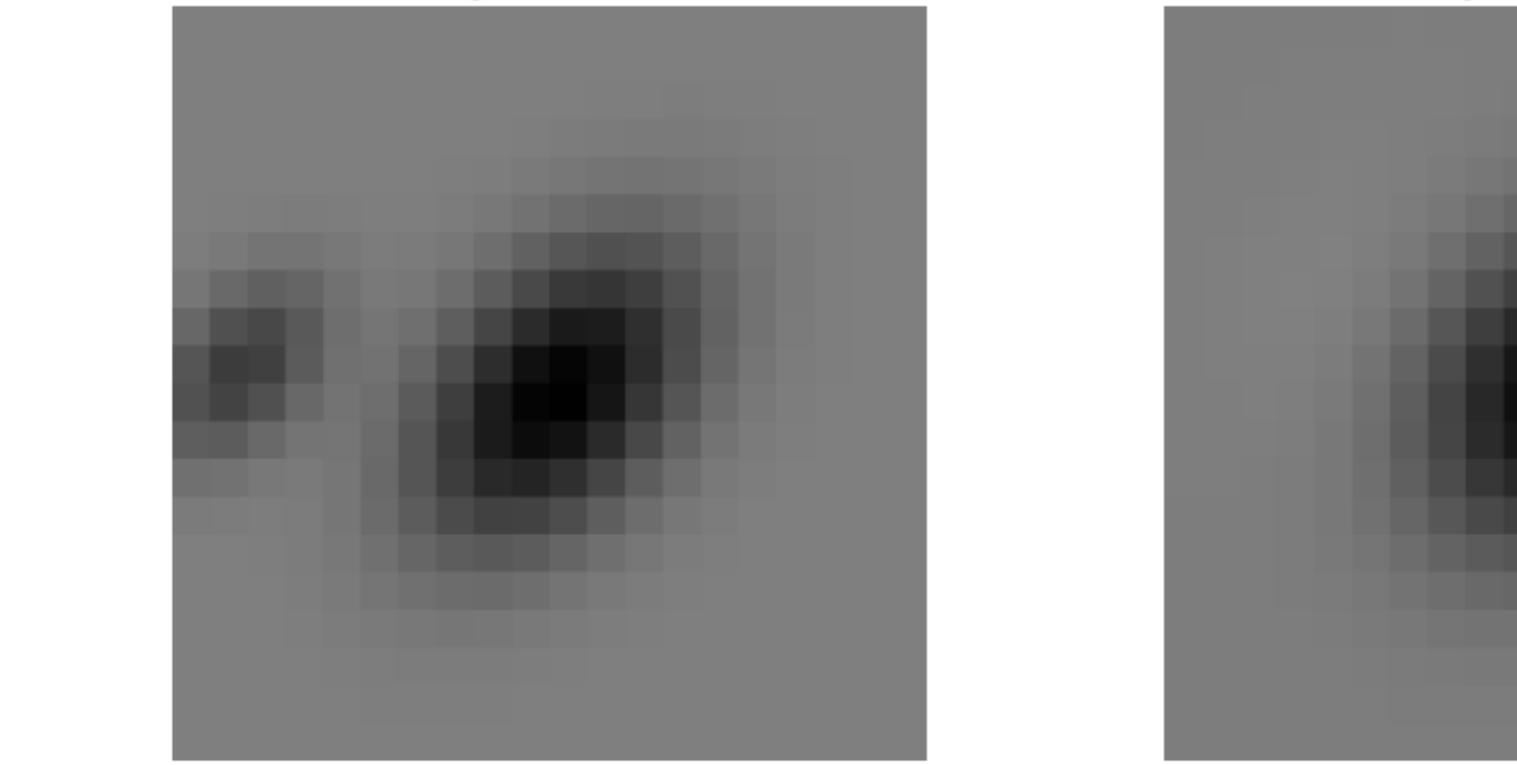
**STA**  
Cell 328 (ii=12)



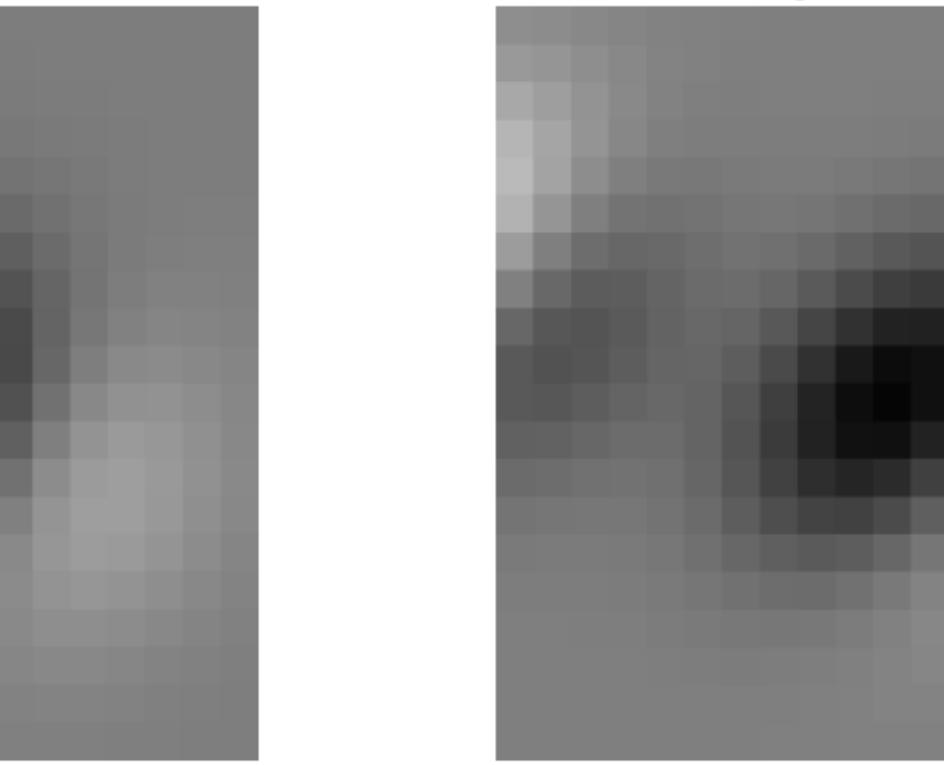
**Circular DoG**  
 $R^2=0.65$  | AICc=-966.1



**Elliptical DoG**  
 $R^2=0.69$  | AICc=-1007.5



**Noncon DoG**  
 $R^2=0.77$  | AICc=-1128.2



**Custom Gabor**  
 $R^2=0.71$  | AICc=-1031.9



**DoG x cos**  
 $R^2=0.81$  | AICc=-1205.7



# RF Model Comparison - Cell 329

**STA**  
Cell 329 (ii=13)

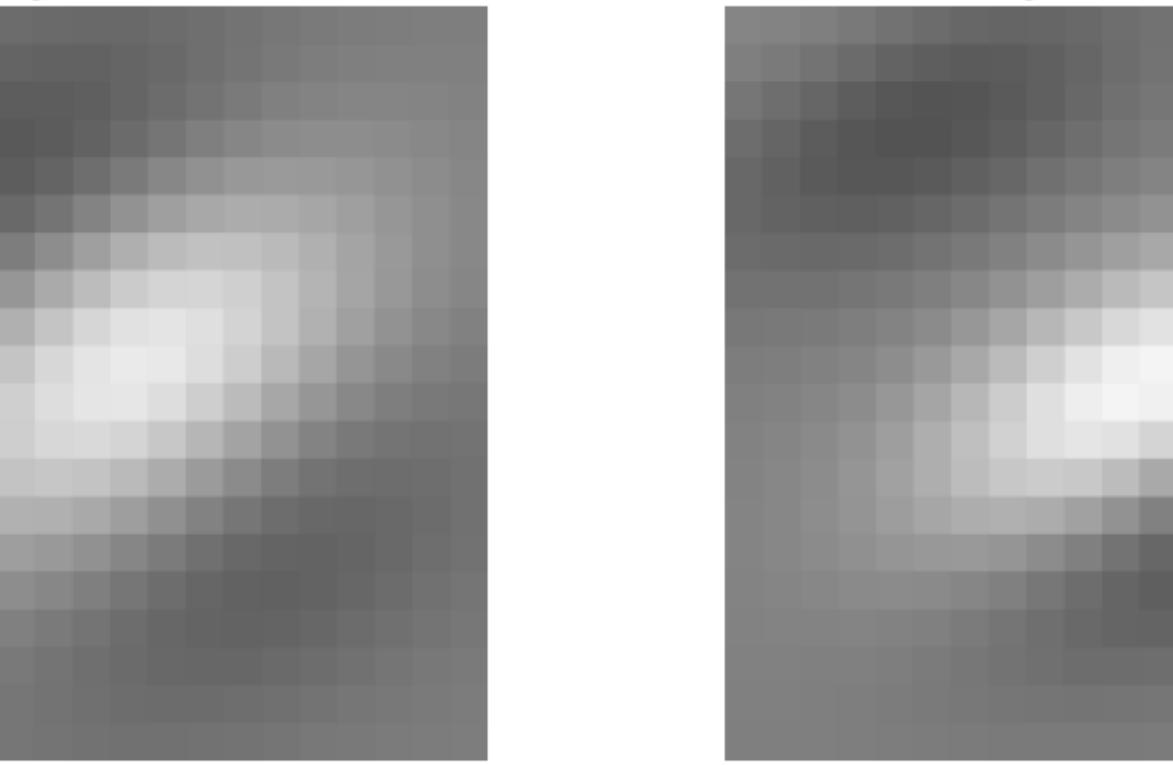
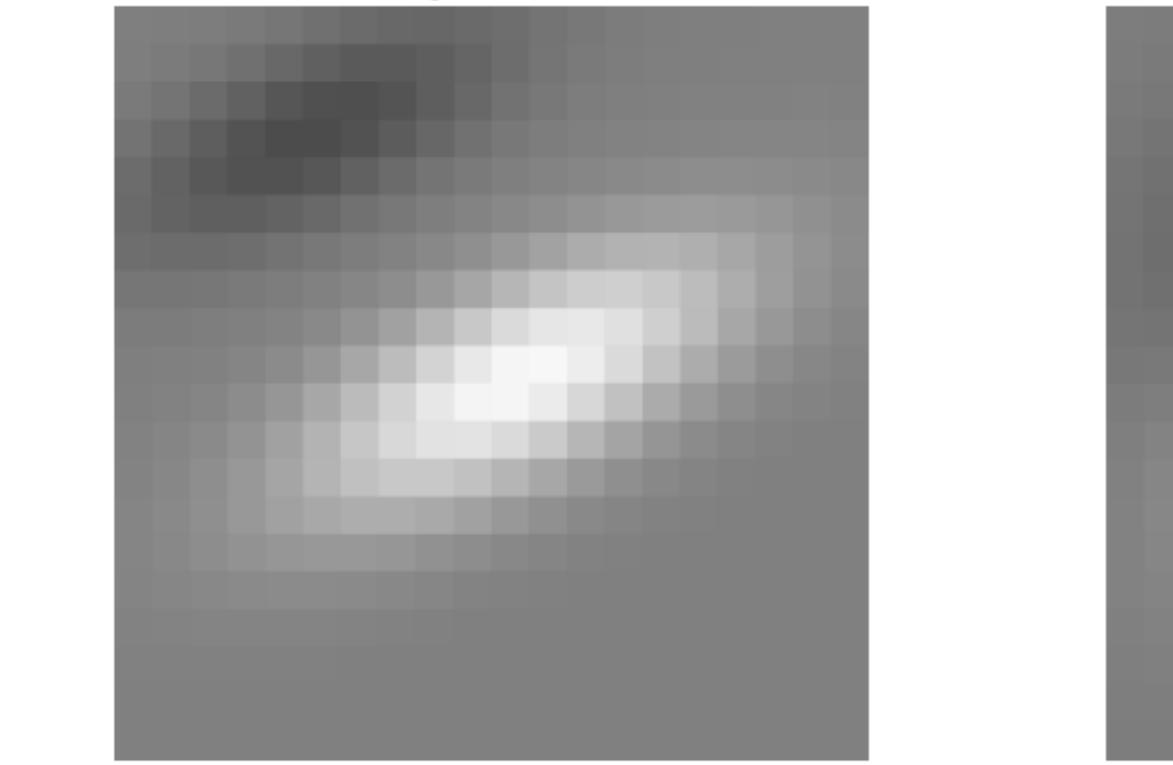
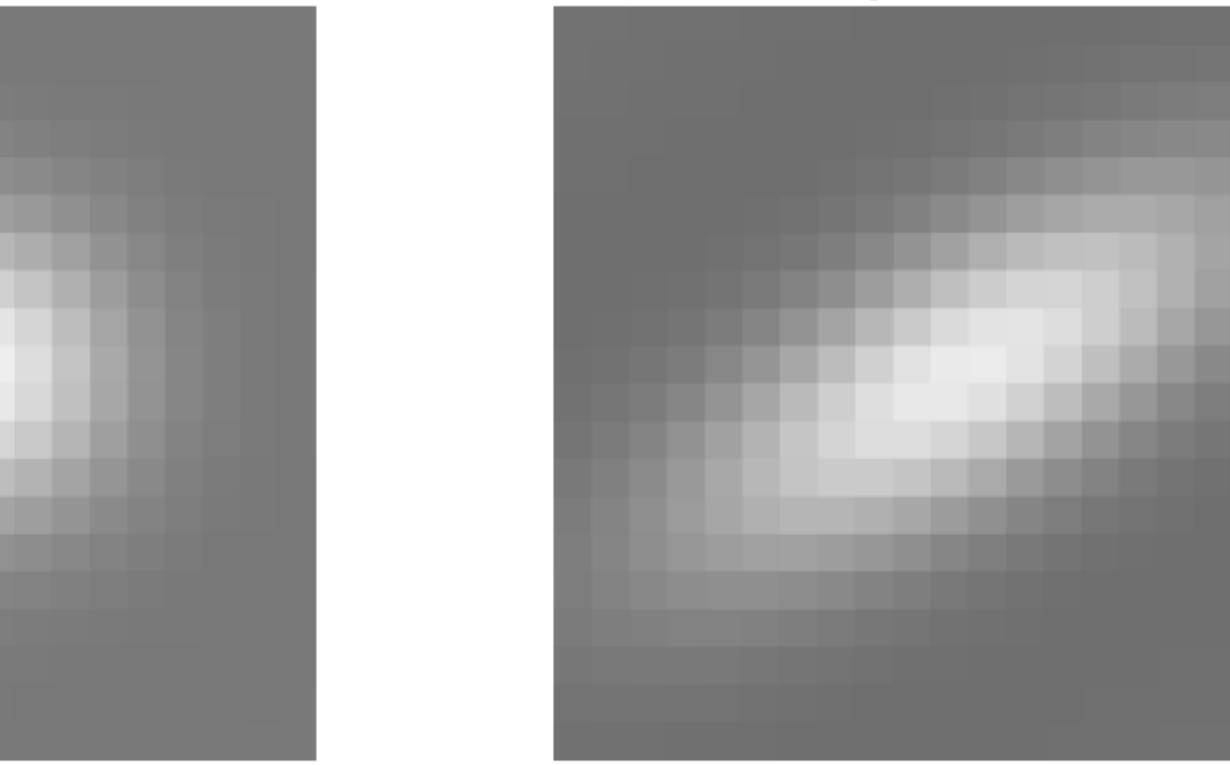
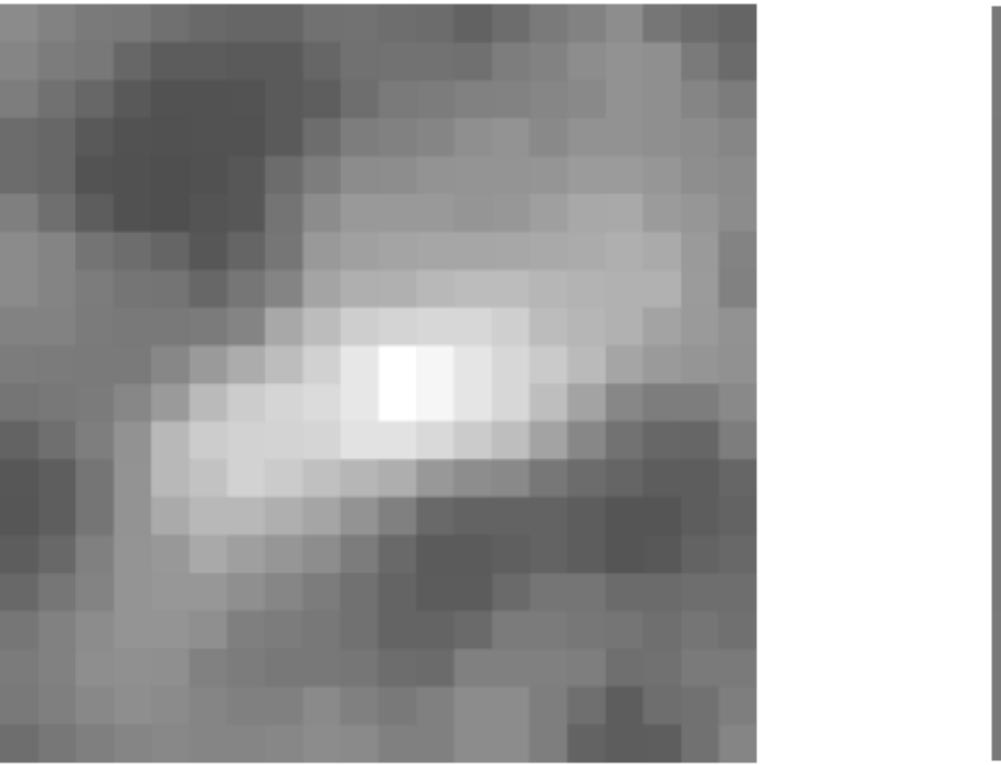
**Circular DoG**  
 $R^2=0.54$  | AICc=-652.5

**Elliptical DoG**  
 $R^2=0.79$  | AICc=-971.1

**Noncon DoG**  
 $R^2=0.80$  | AICc=-981.9

**Custom Gabor**  
 $R^2=0.82$  | AICc=-1023.2

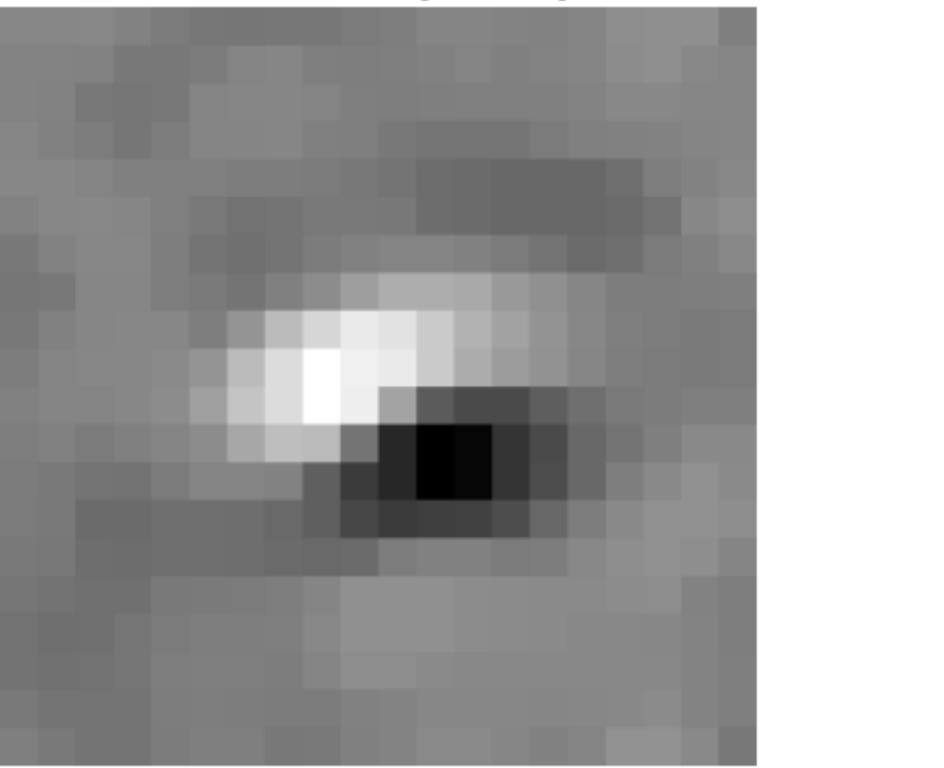
**DoG x cos**  
 $R^2=0.87$  | AICc=-1138.7



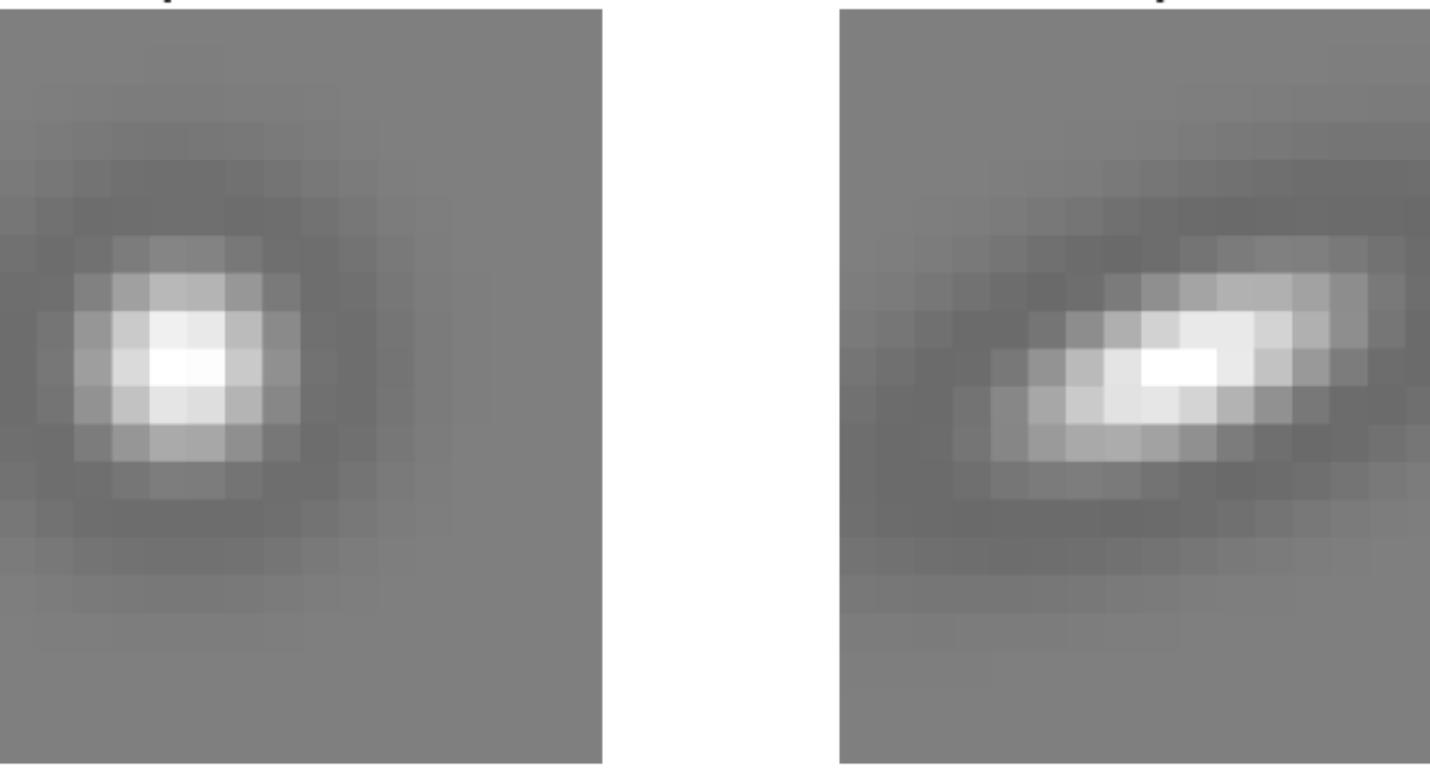
Model receptive fields are 2D grayscale plots showing the spatial distribution of activity. The central white square represents the receptive field center, and the surrounding gray bands represent the receptive field surround. The pixelation is visible in all plots.

# RF Model Comparison - Cell 363

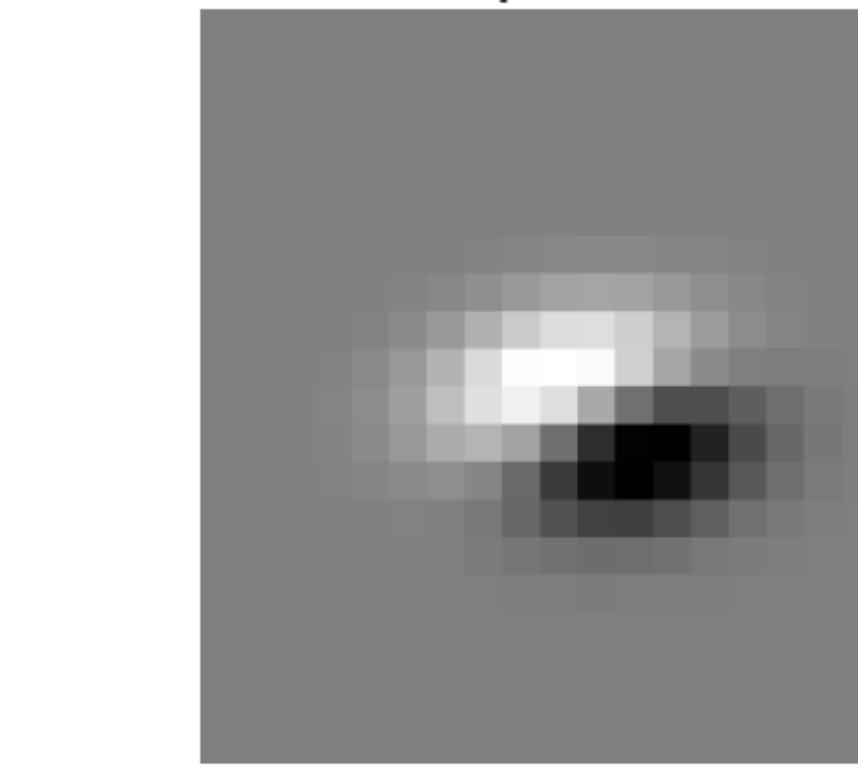
**STA**  
Cell 363 (ii=14)



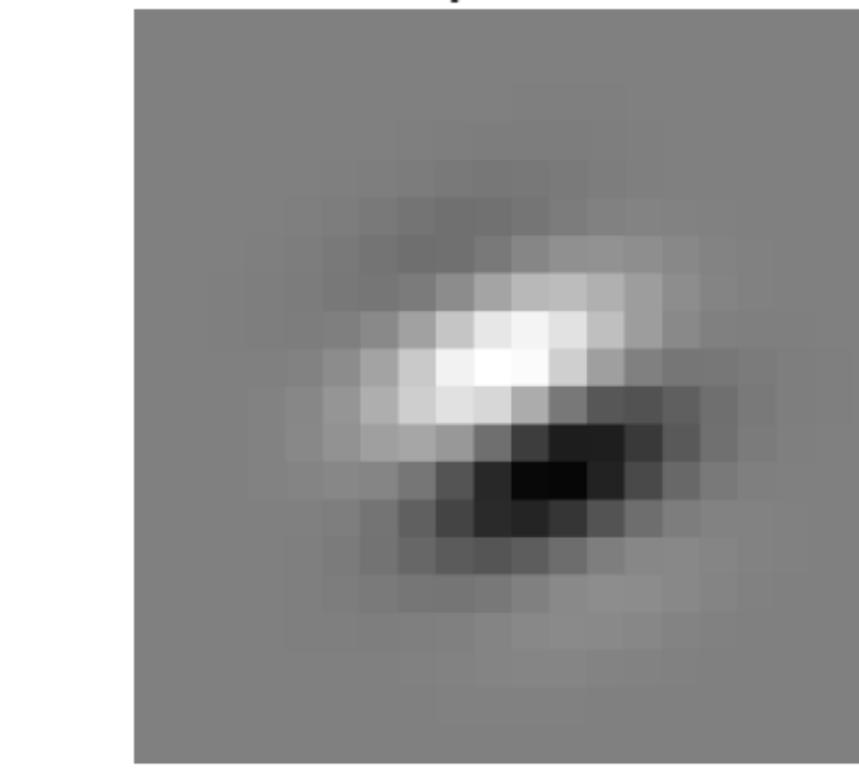
**Circular DoG**  
 $R^2=0.43$  | AICc=-452.0



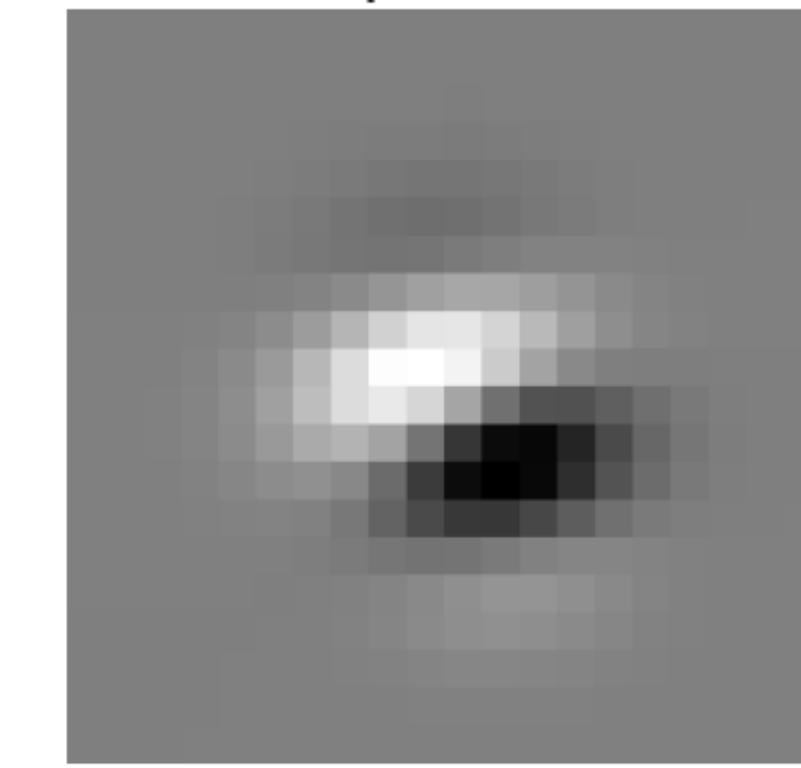
**Elliptical DoG**  
 $R^2=0.59$  | AICc=-582.0



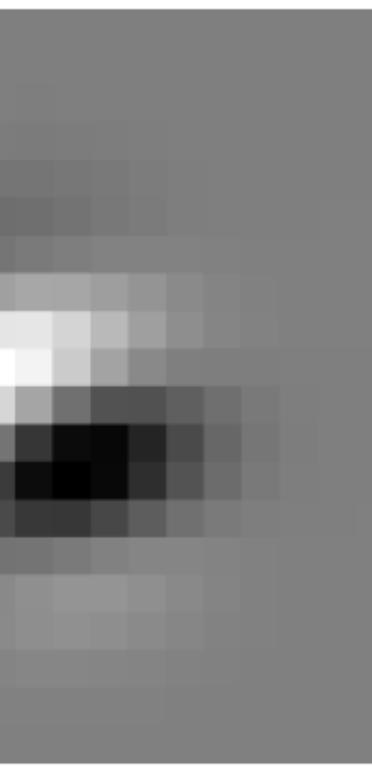
**Noncon DoG**  
 $R^2=0.88$  | AICc=-1063.4



**Custom Gabor**  
 $R^2=0.84$  | AICc=-964.9

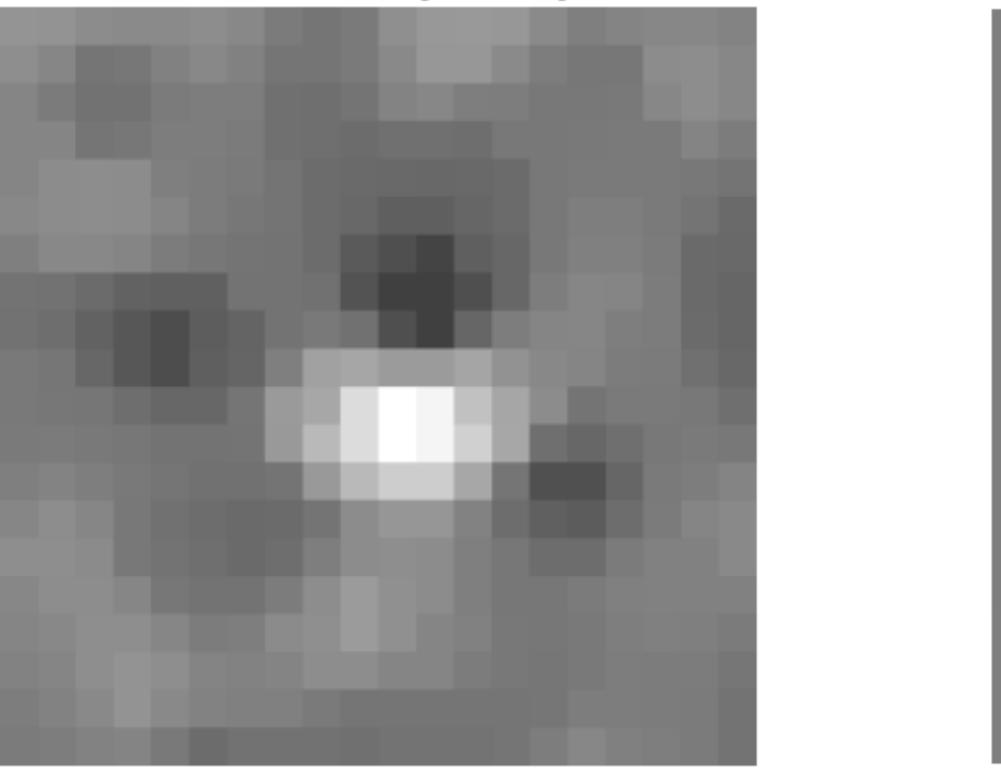


**DoG x cos**  
 $R^2=0.90$  | AICc=-1142.5

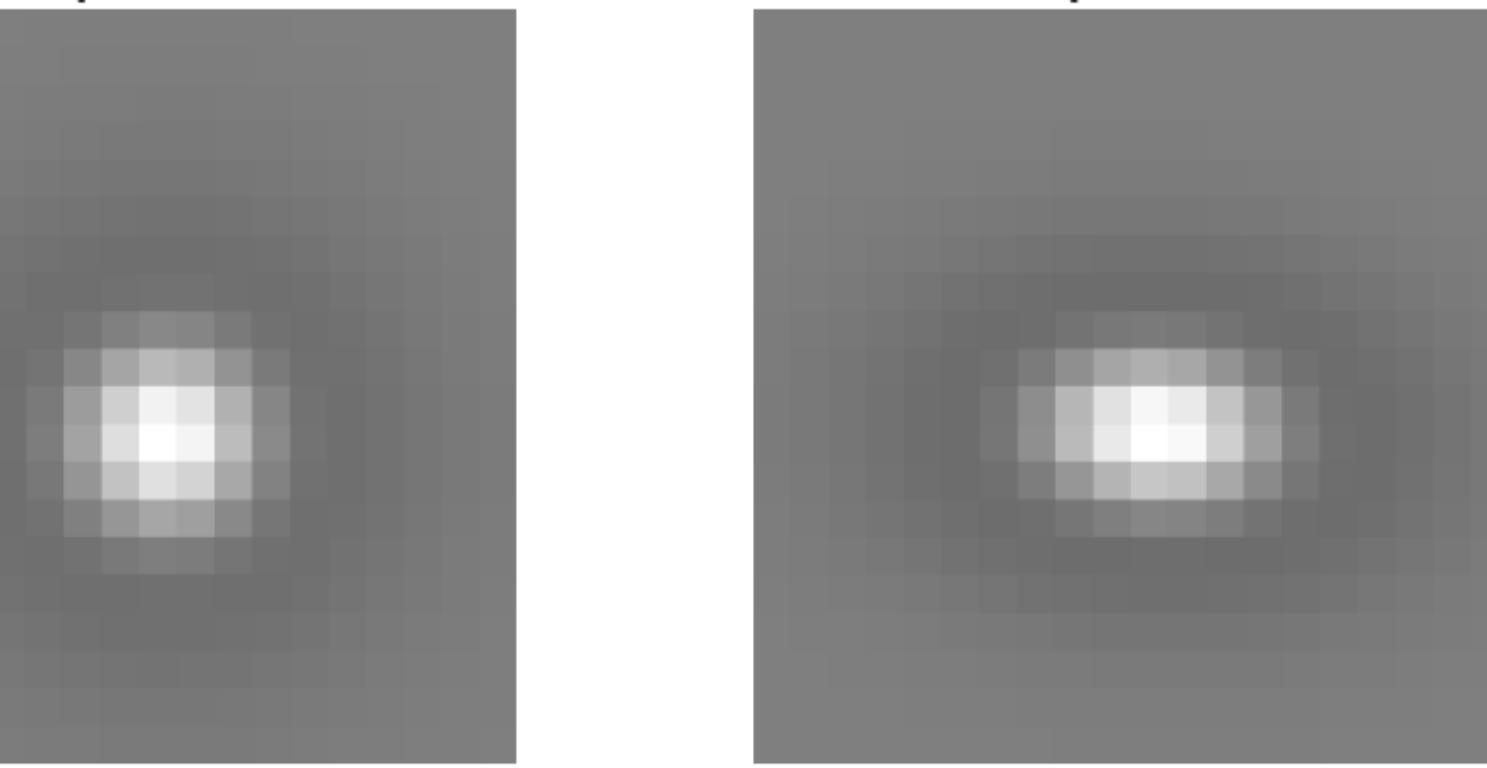


# RF Model Comparison - Cell 375

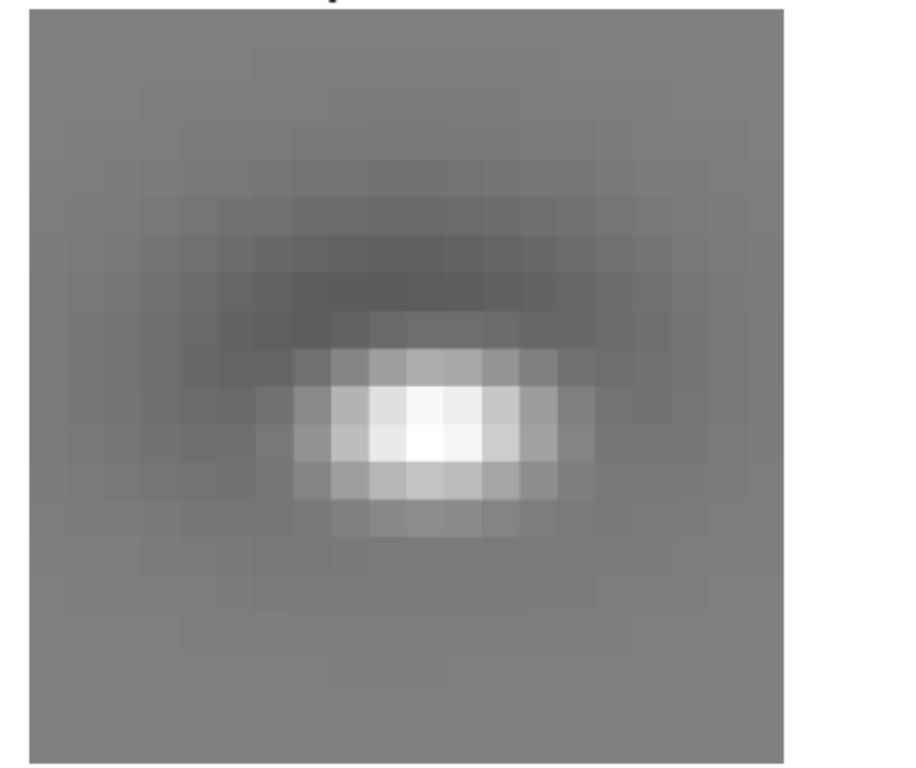
**STA**  
Cell 375 (ii=15)



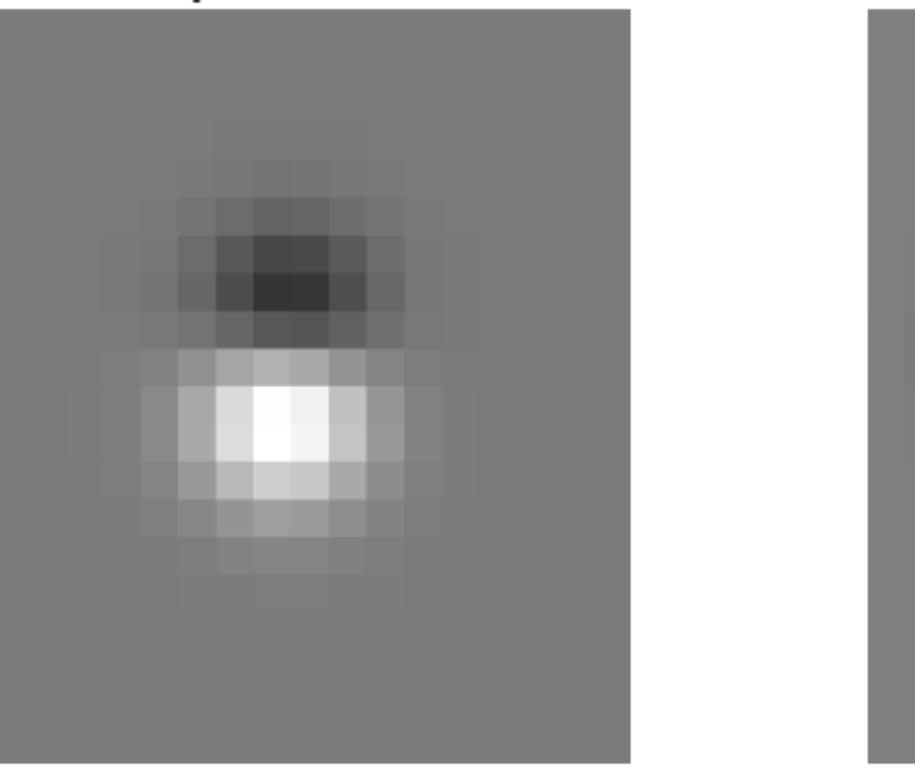
**Circular DoG**  
 $R^2=0.61$  | AICc=-879.4



**Elliptical DoG**  
 $R^2=0.66$  | AICc=-921.6



**Noncon DoG**  
 $R^2=0.72$  | AICc=-1001.3



**Custom Gabor**  
 $R^2=0.70$  | AICc=-978.4

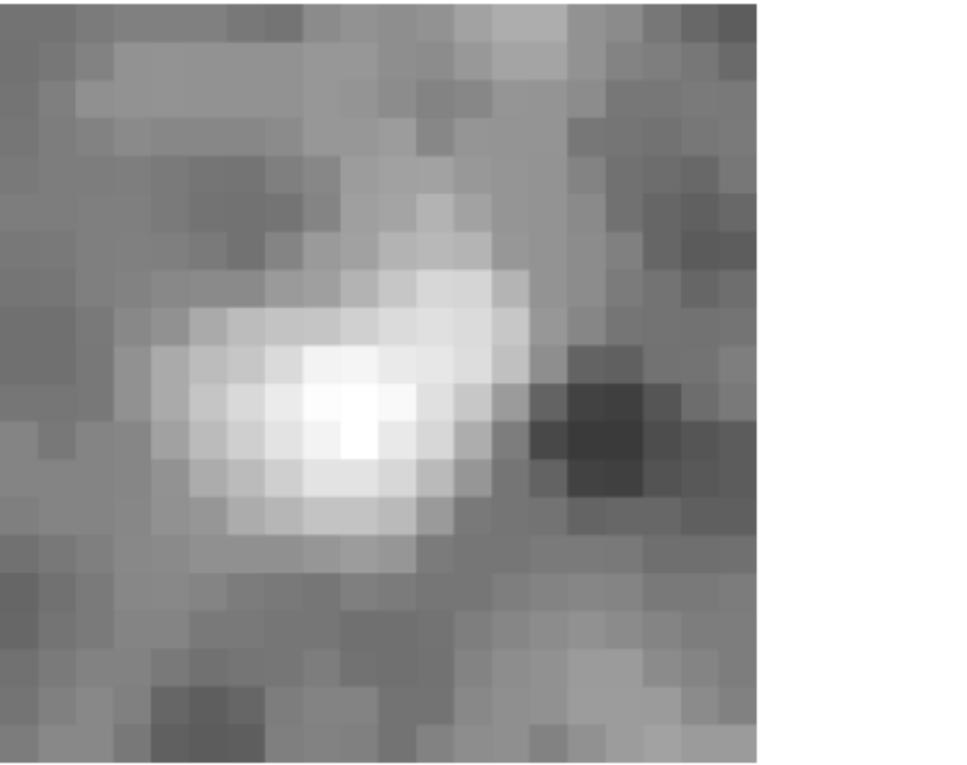


**DoG x cos**  
 $R^2=0.77$  | AICc=-1067.0

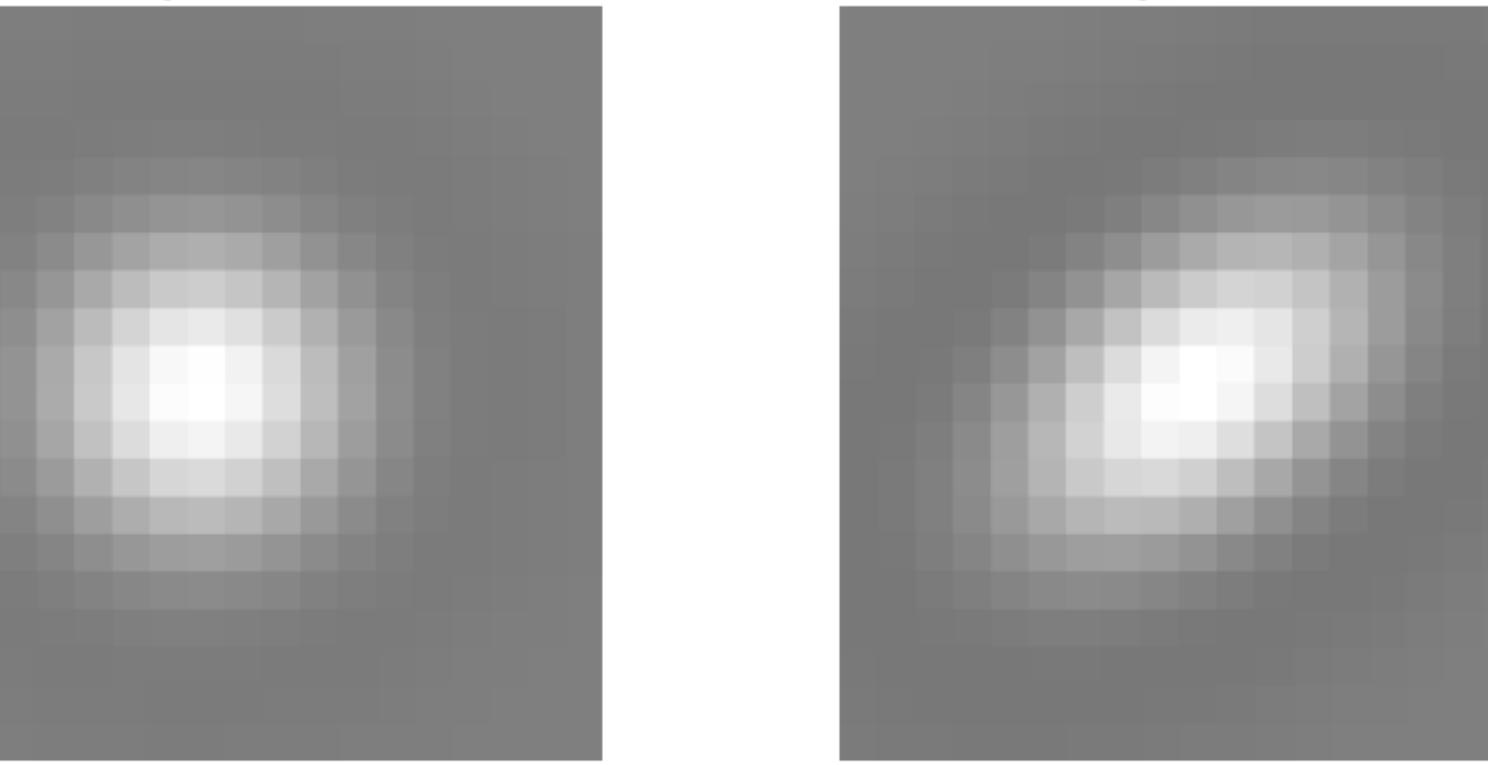


# RF Model Comparison - Cell 438

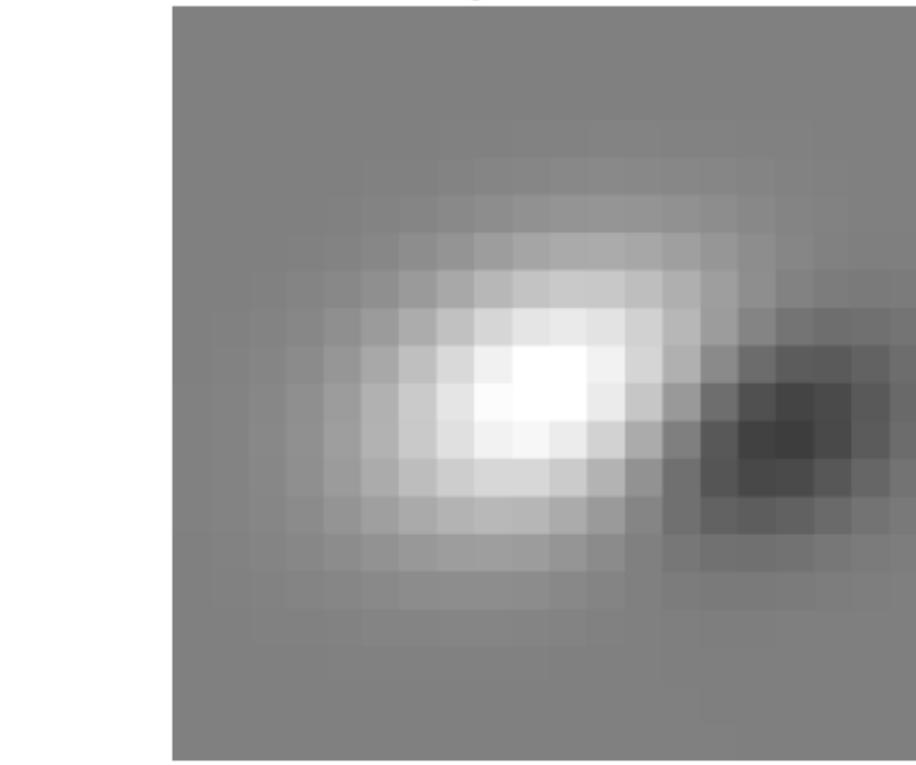
**STA**  
Cell 438 (ii=16)



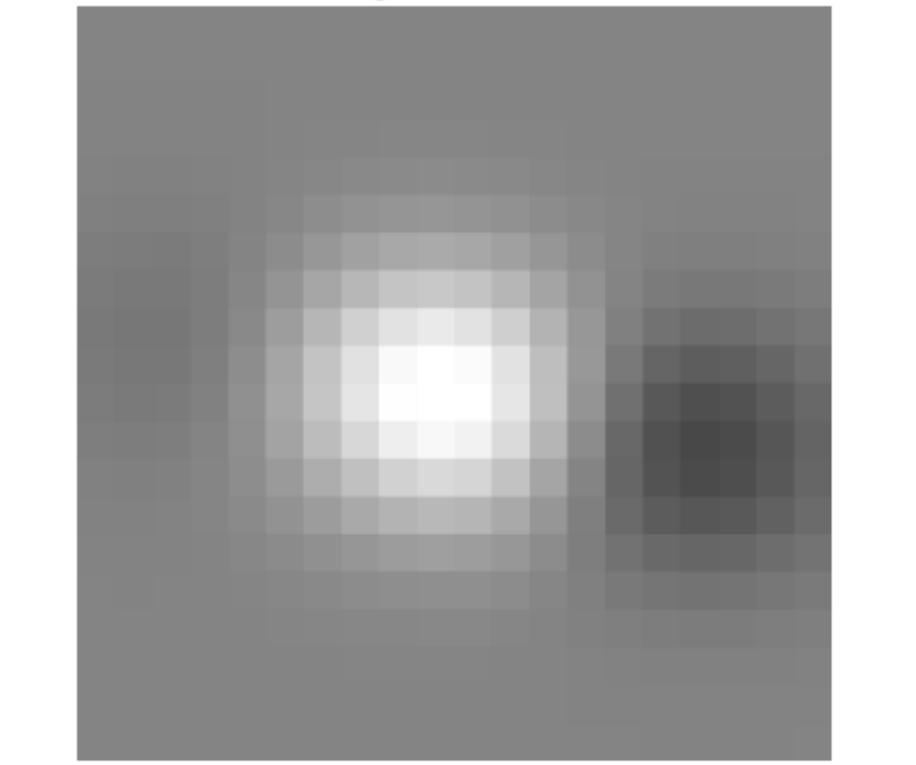
**Circular DoG**  
 $R^2=0.67$  | AICc=-995.4



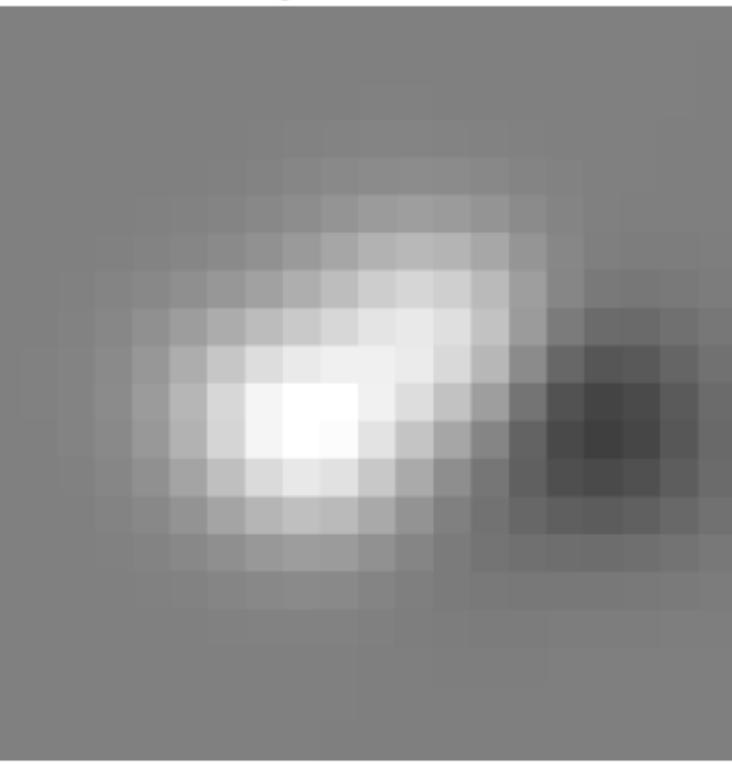
**Elliptical DoG**  
 $R^2=0.74$  | AICc=-1084.2



**Noncon DoG**  
 $R^2=0.82$  | AICc=-1241.6



**Custom Gabor**  
 $R^2=0.77$  | AICc=-1137.8

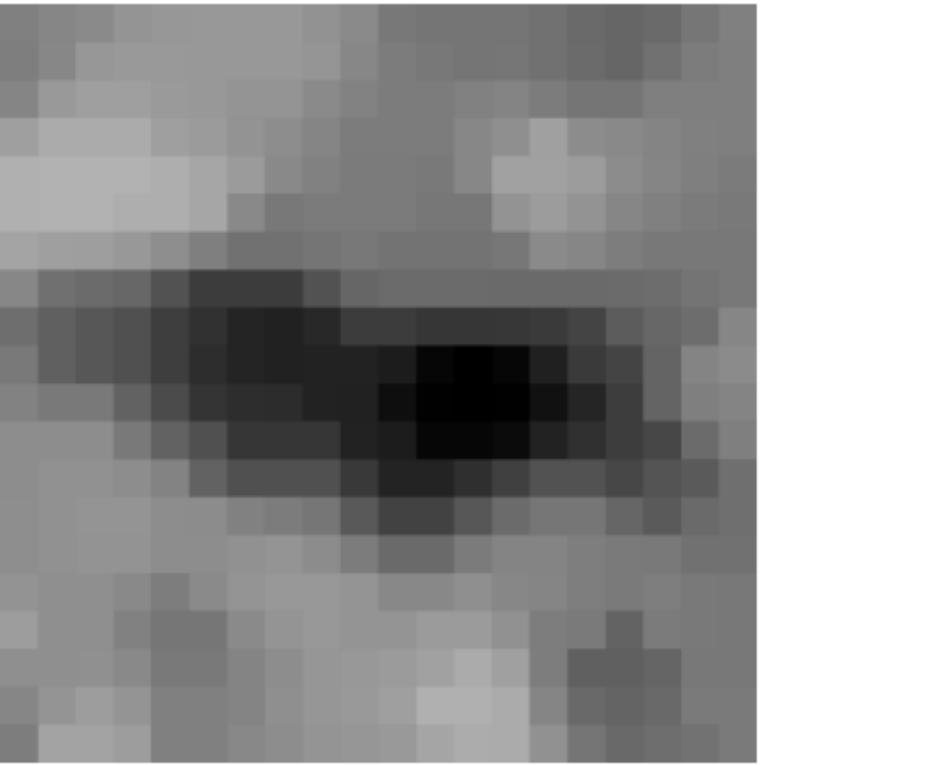


**DoG x cos**  
 $R^2=0.84$  | AICc=-1281.1

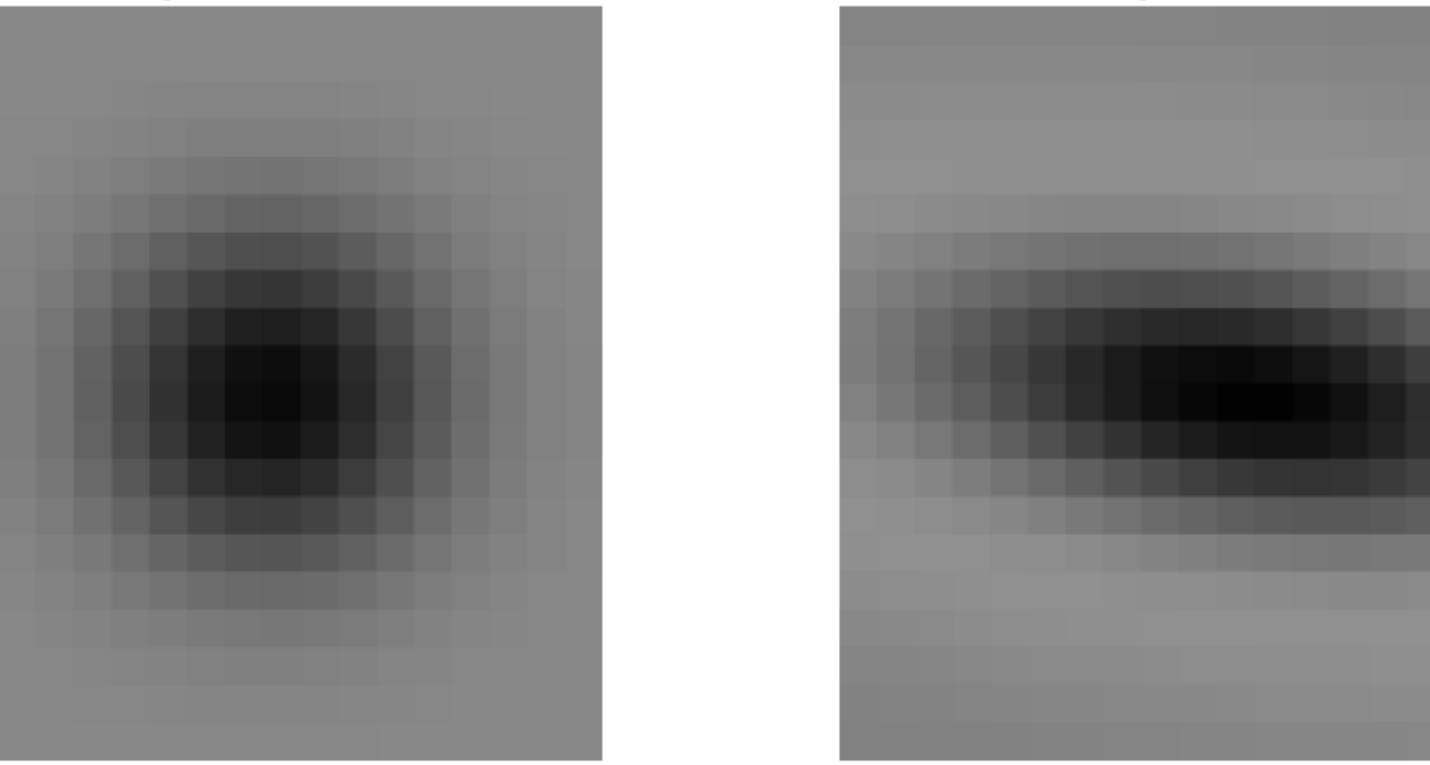


# RF Model Comparison - Cell 446

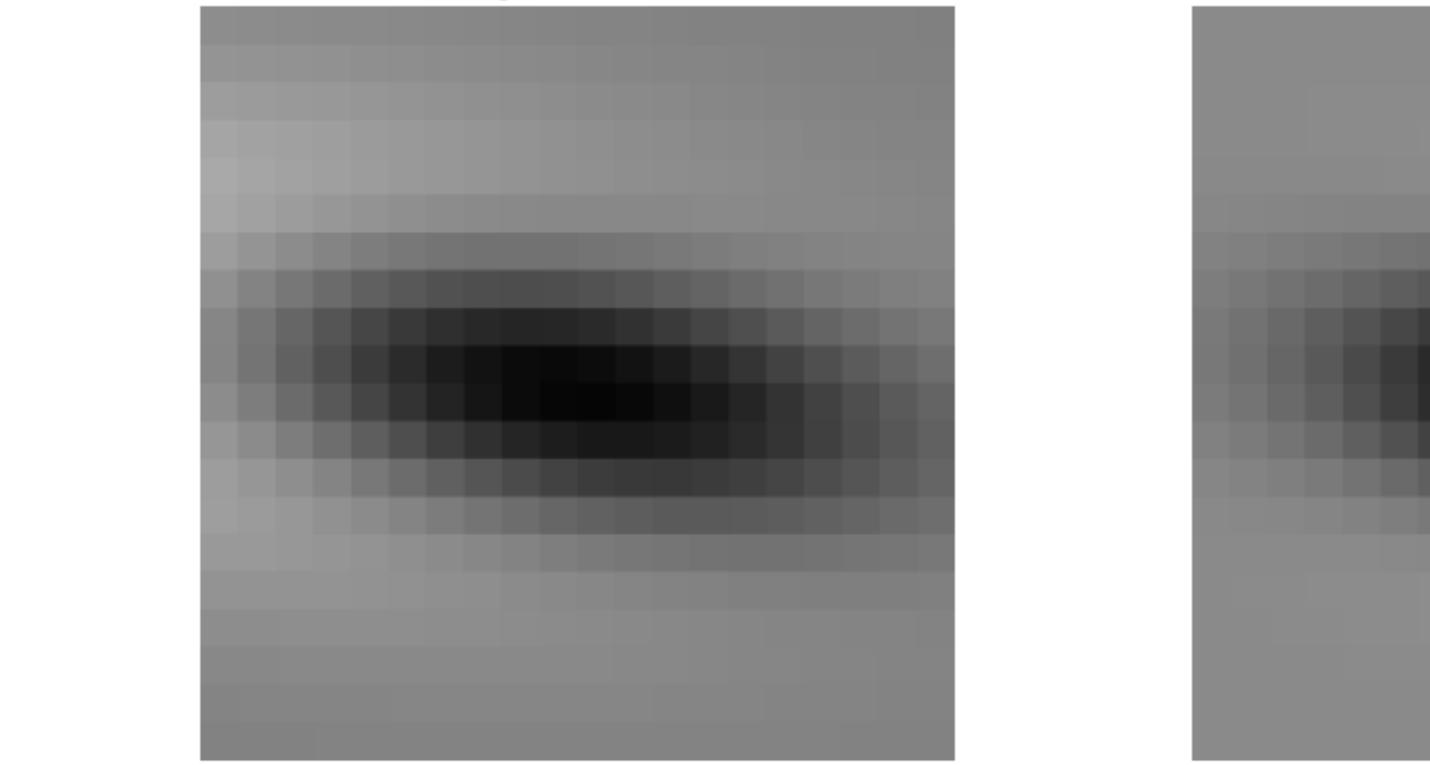
**STA**  
Cell 446 (ii=17)



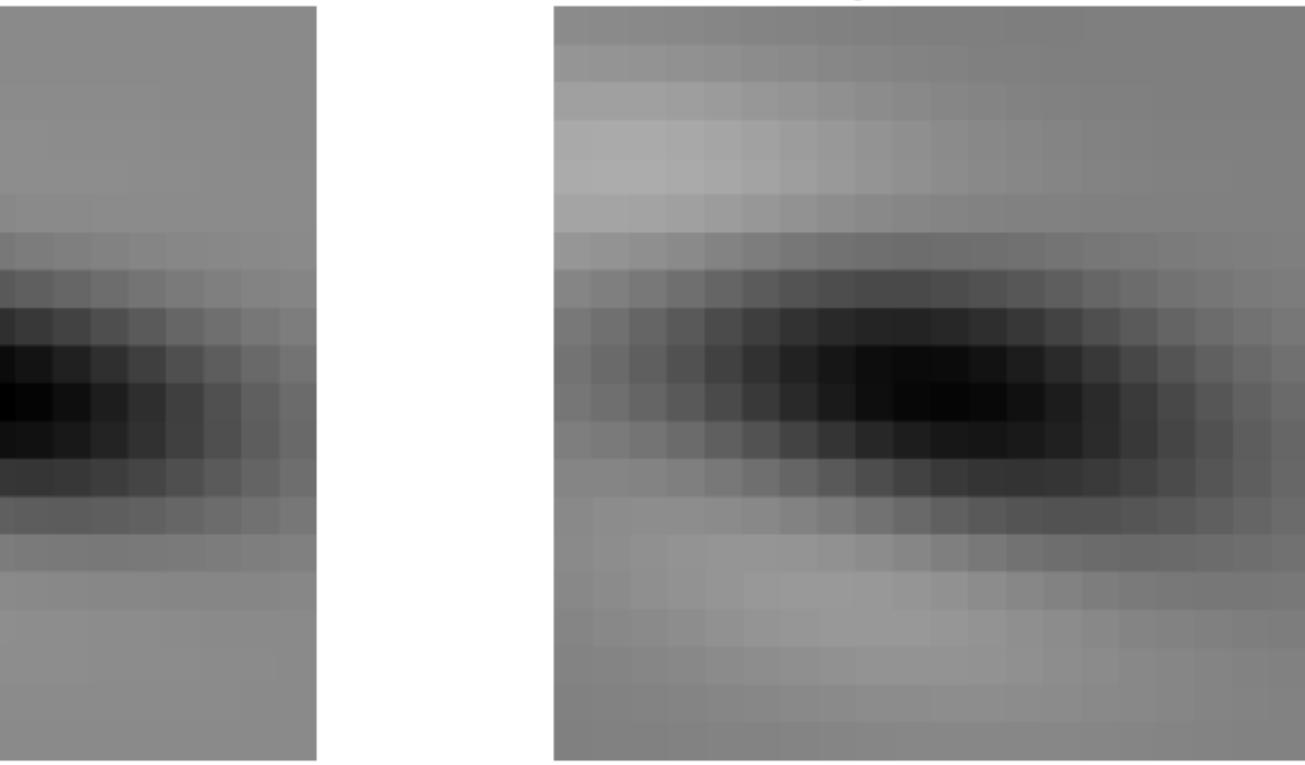
**Circular DoG**  
 $R^2=0.58$  | AICc=-727.8



**Elliptical DoG**  
 $R^2=0.81$  | AICc=-1043.7



**Noncon DoG**  
 $R^2=0.84$  | AICc=-1116.2



**Custom Gabor**



**DoG x cos**



# RF Model Comparison - Cell 457

**STA**  
Cell 457 (ii=18)

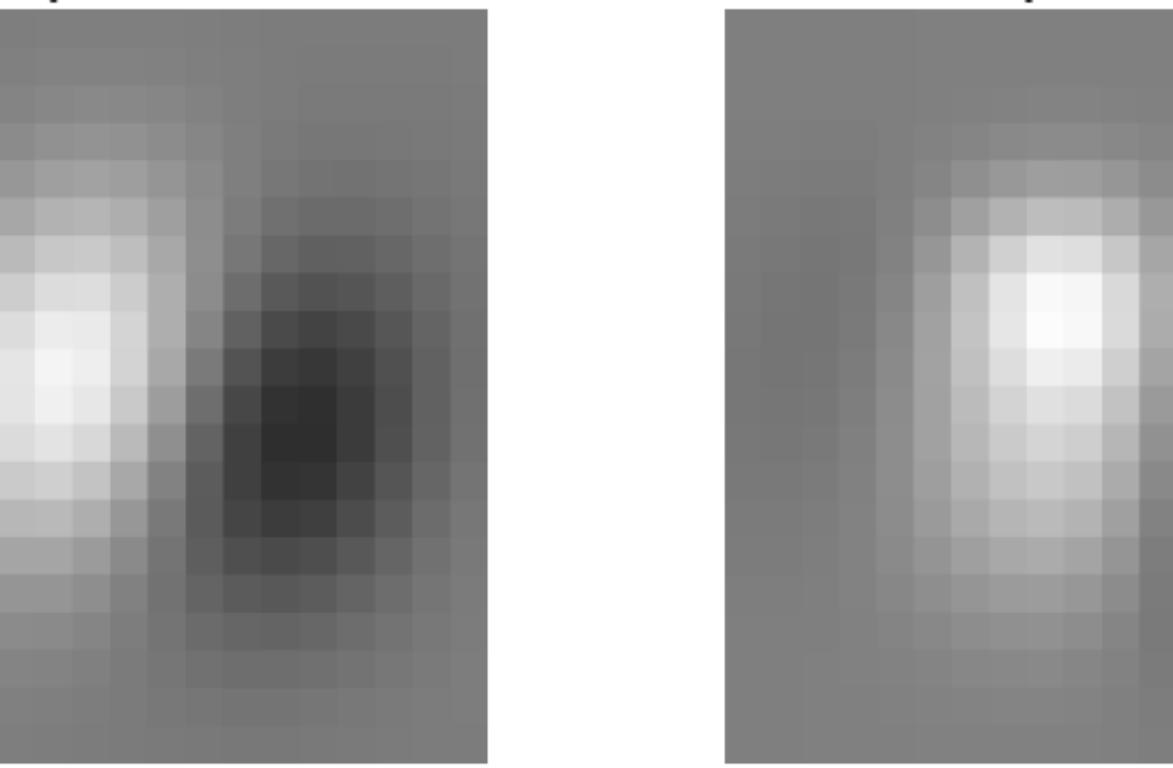
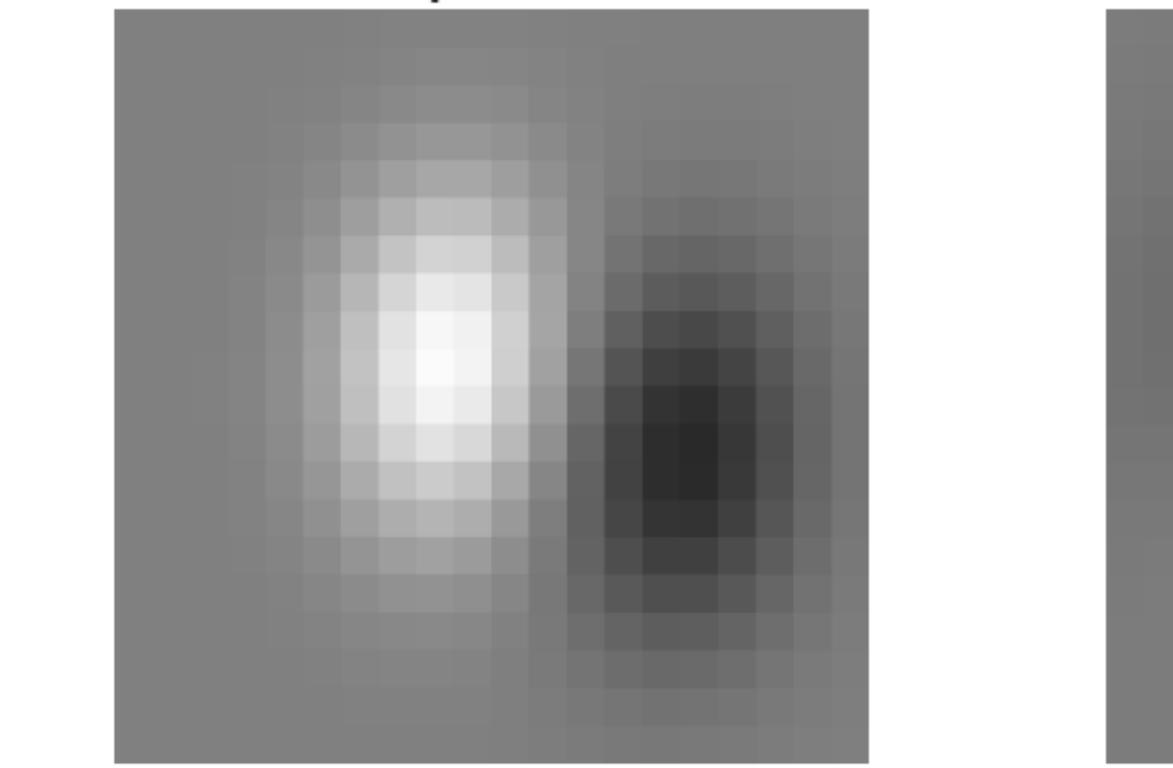
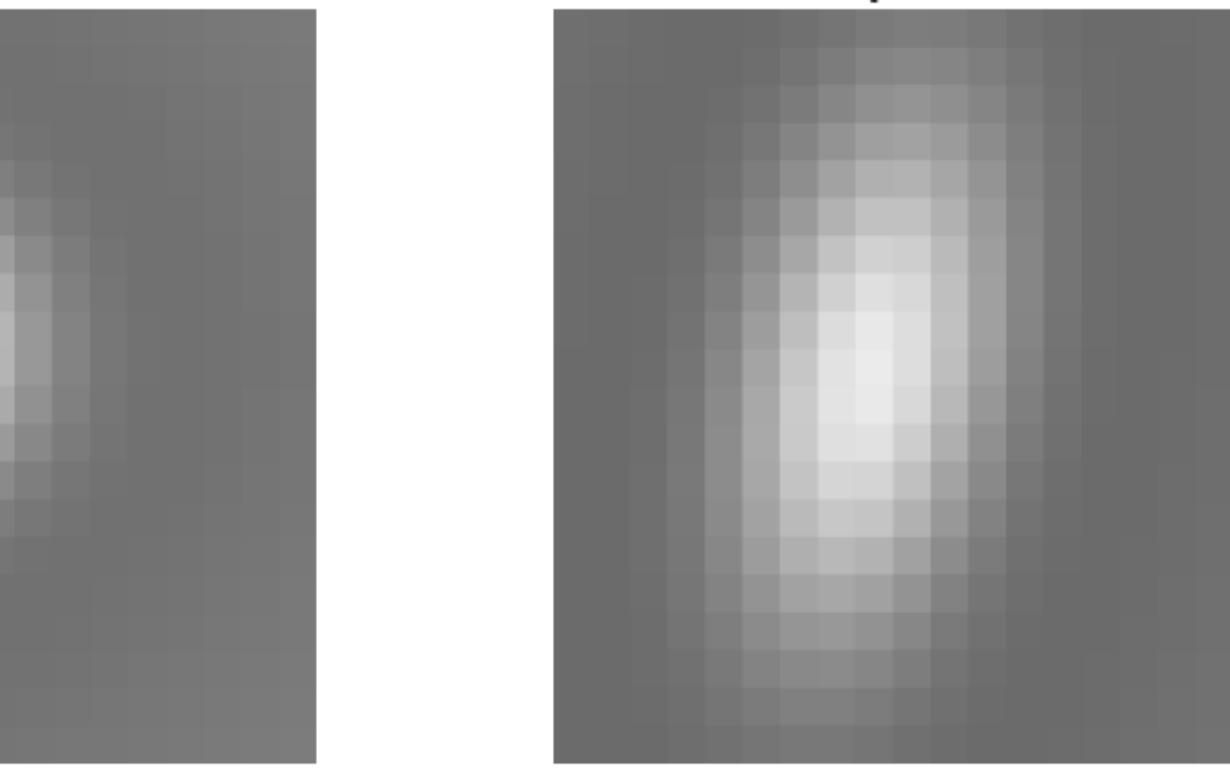
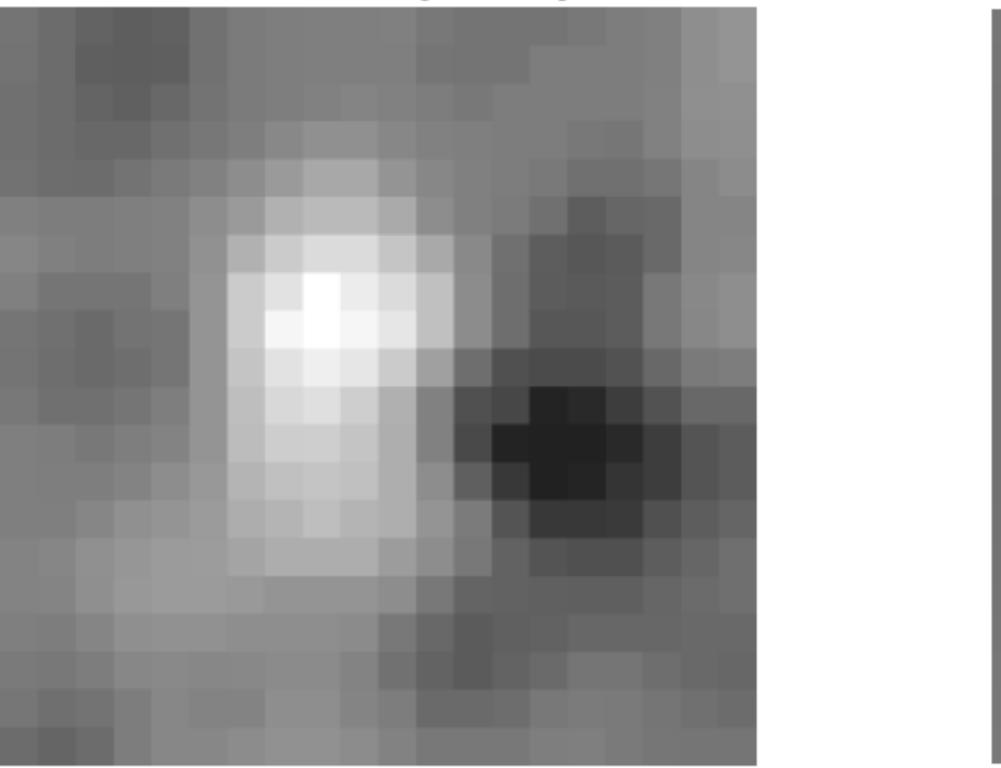
**Circular DoG**  
 $R^2=0.57$  | AICc=-462.2

**Elliptical DoG**  
 $R^2=0.70$  | AICc=-604.2

**Noncon DoG**  
 $R^2=0.87$  | AICc=-931.1

**Custom Gabor**  
 $R^2=0.87$  | AICc=-933.8

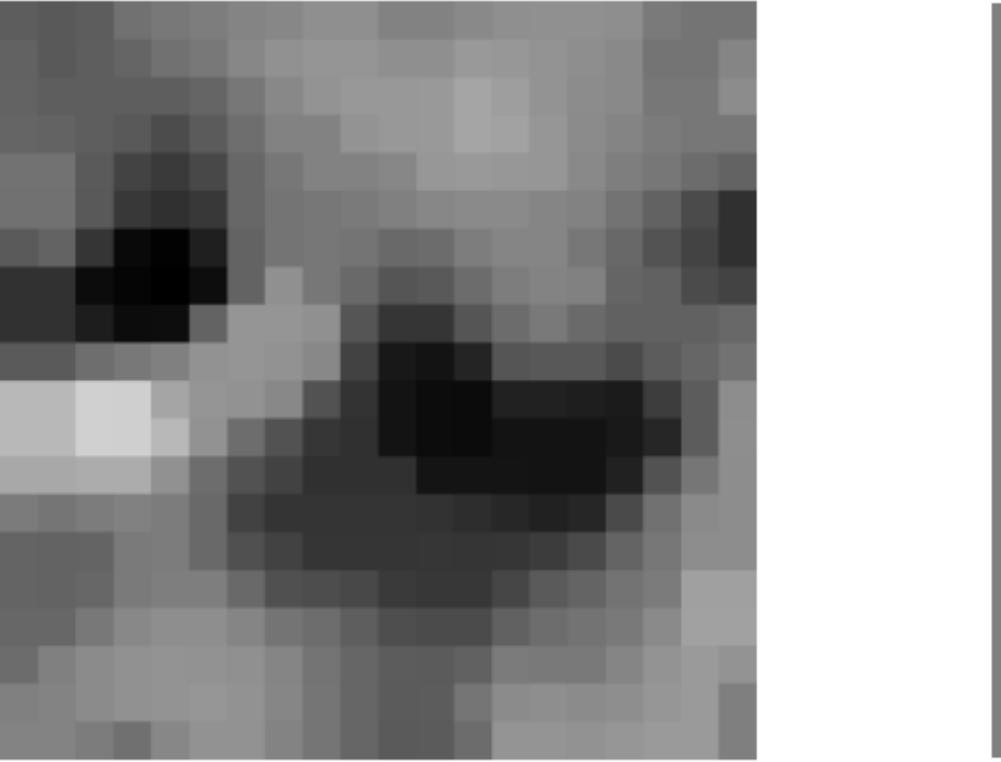
**DoG x cos**  
 $R^2=0.89$  | AICc=-1011.9



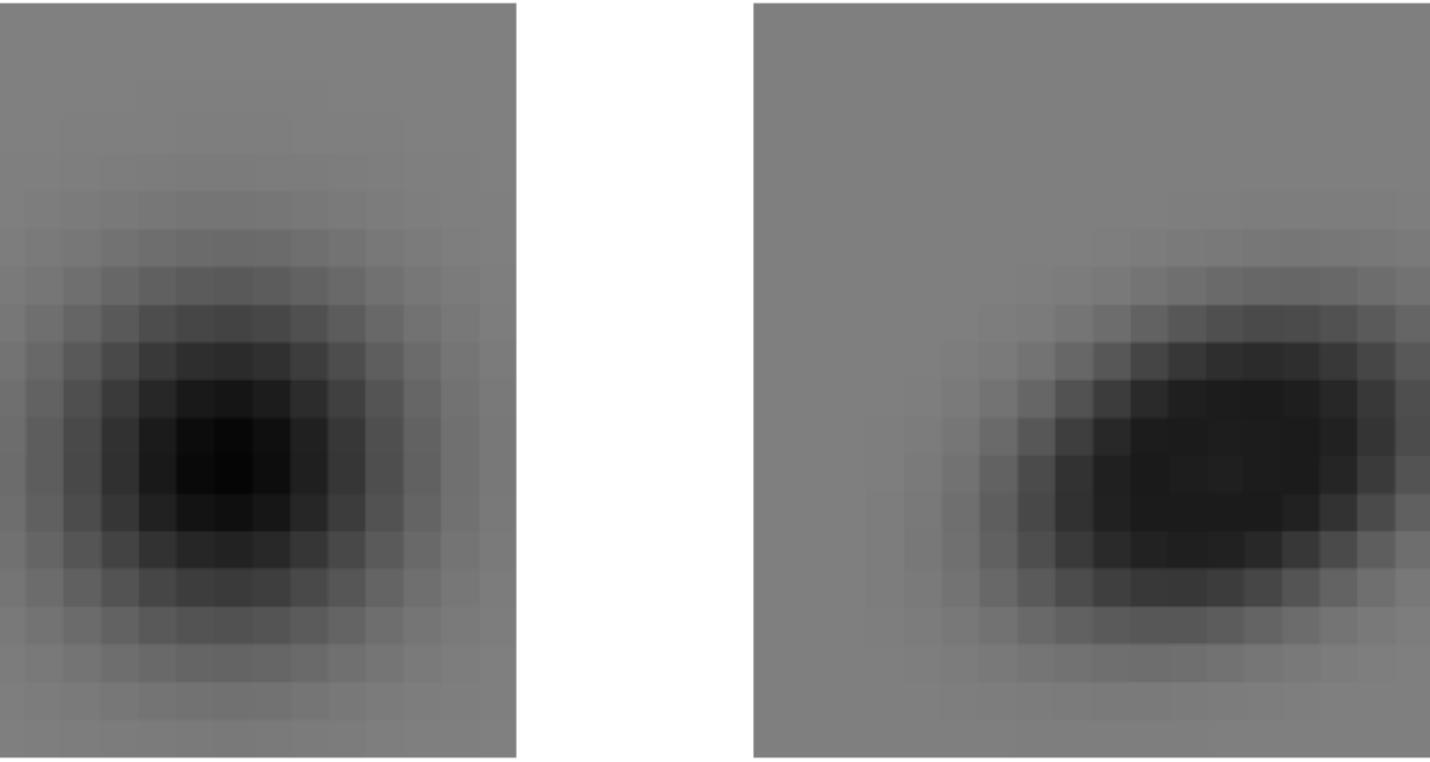
DoG x cos

# RF Model Comparison - Cell 462

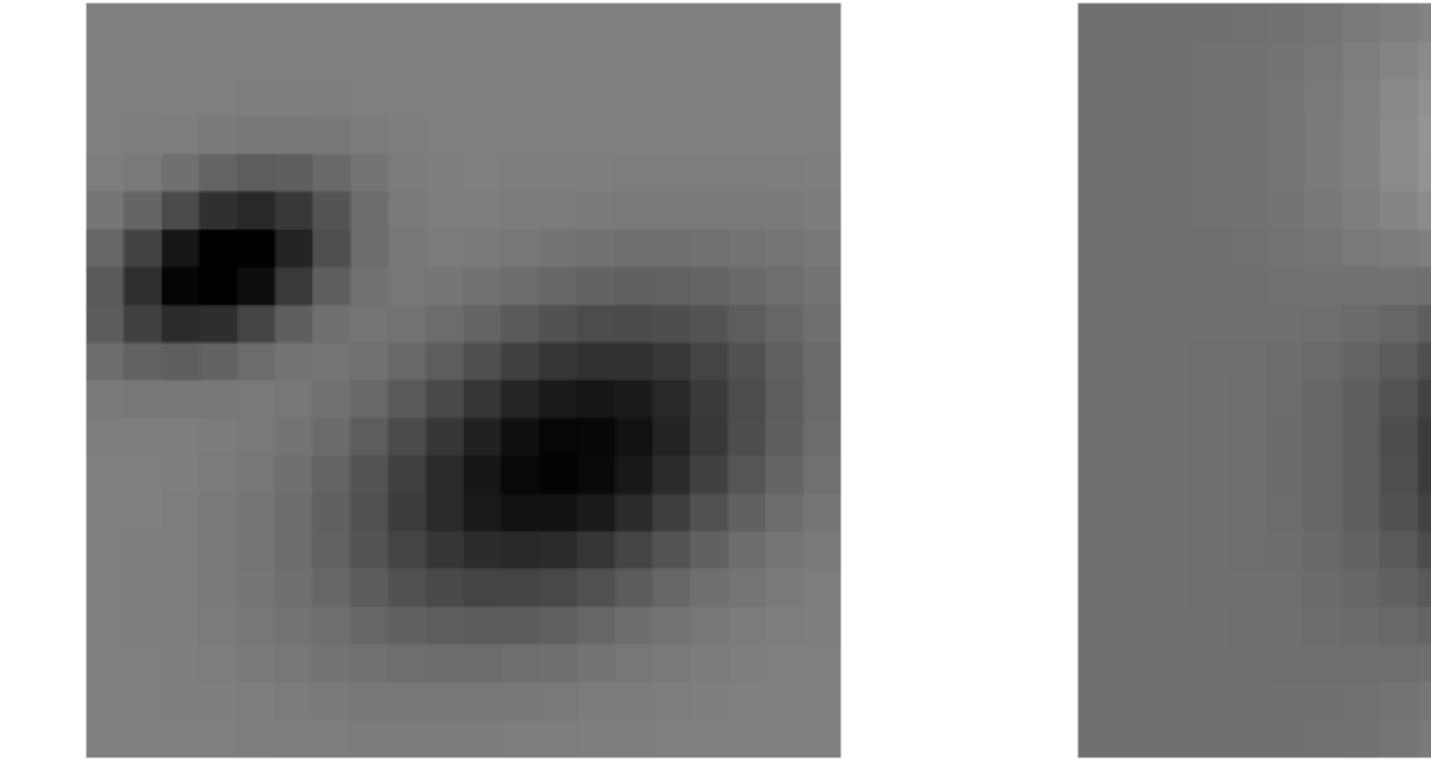
**STA**  
Cell 462 (ii=19)



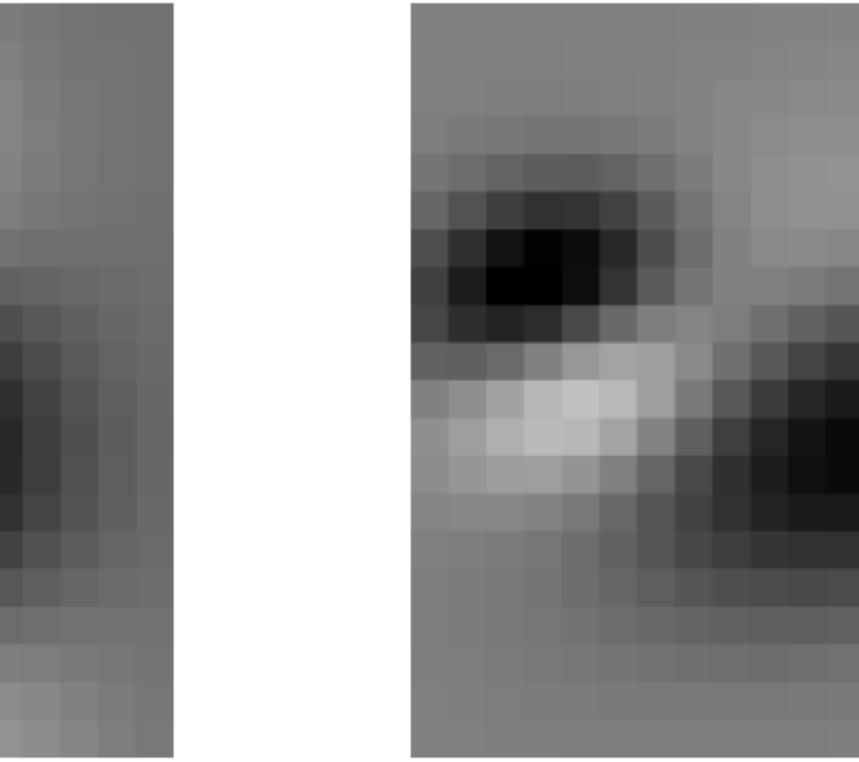
**Circular DoG**  
 $R^2=0.38$  | AICc=-809.3



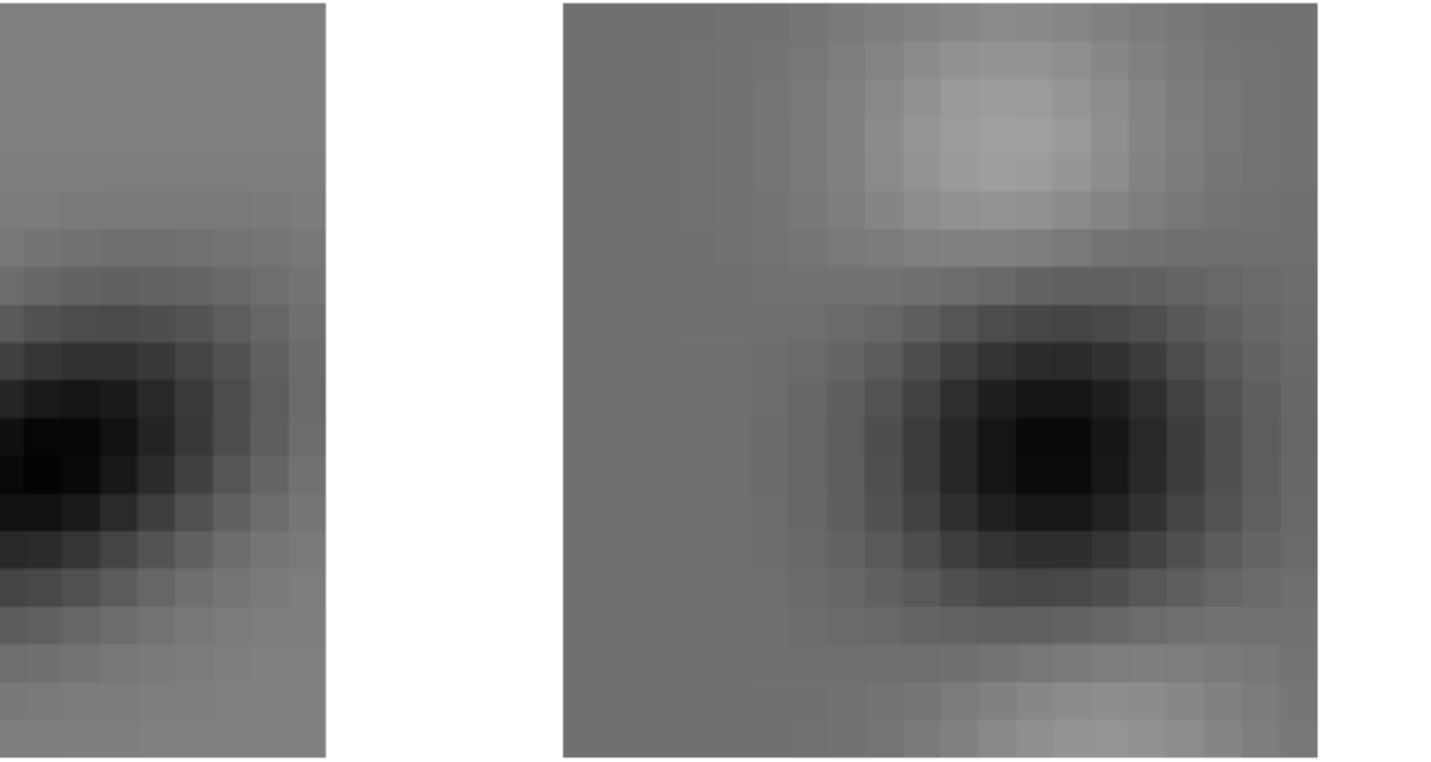
**Elliptical DoG**  
 $R^2=0.42$  | AICc=-830.4



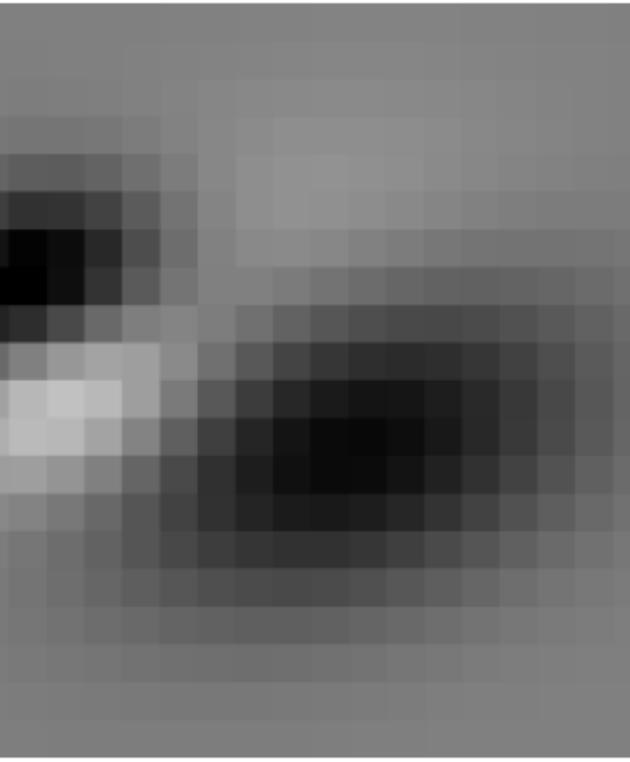
**Noncon DoG**  
 $R^2=0.66$  | AICc=-1042.5



**Custom Gabor**  
 $R^2=0.45$  | AICc=-852.5



**DoG x cos**  
 $R^2=0.75$  | AICc=-1156.3



# RF Model Comparison - Cell 468

**STA**  
Cell 468 (ii=20)

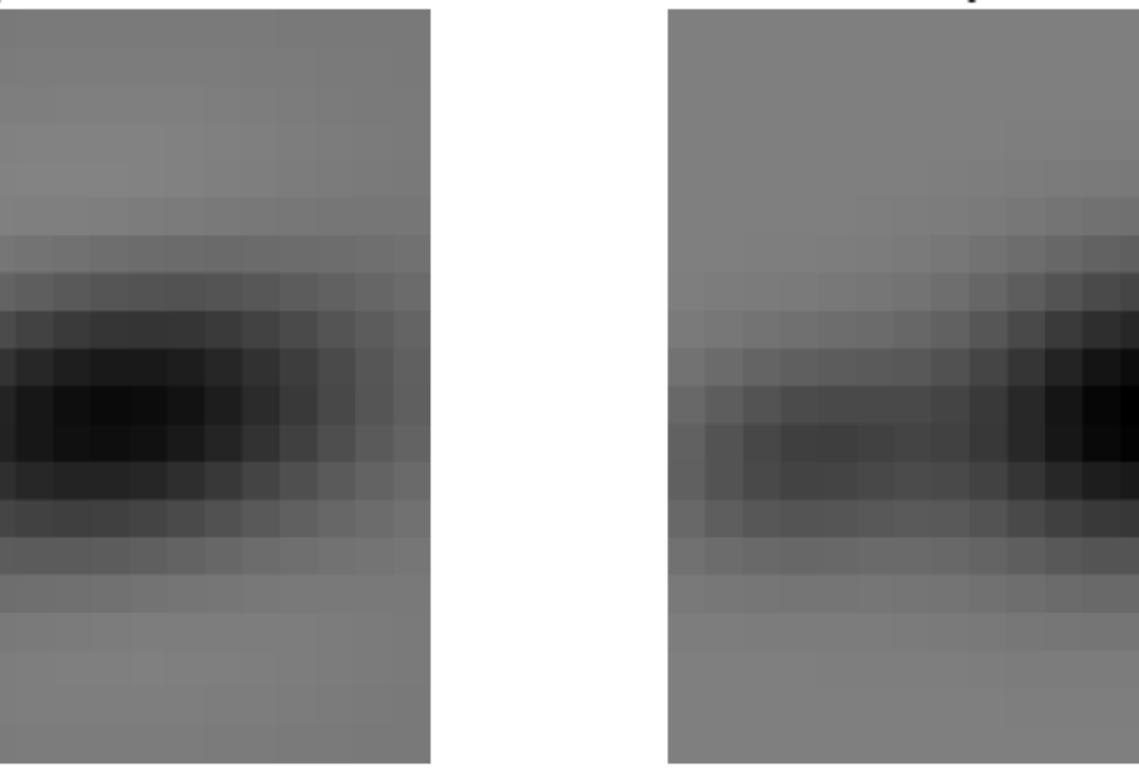
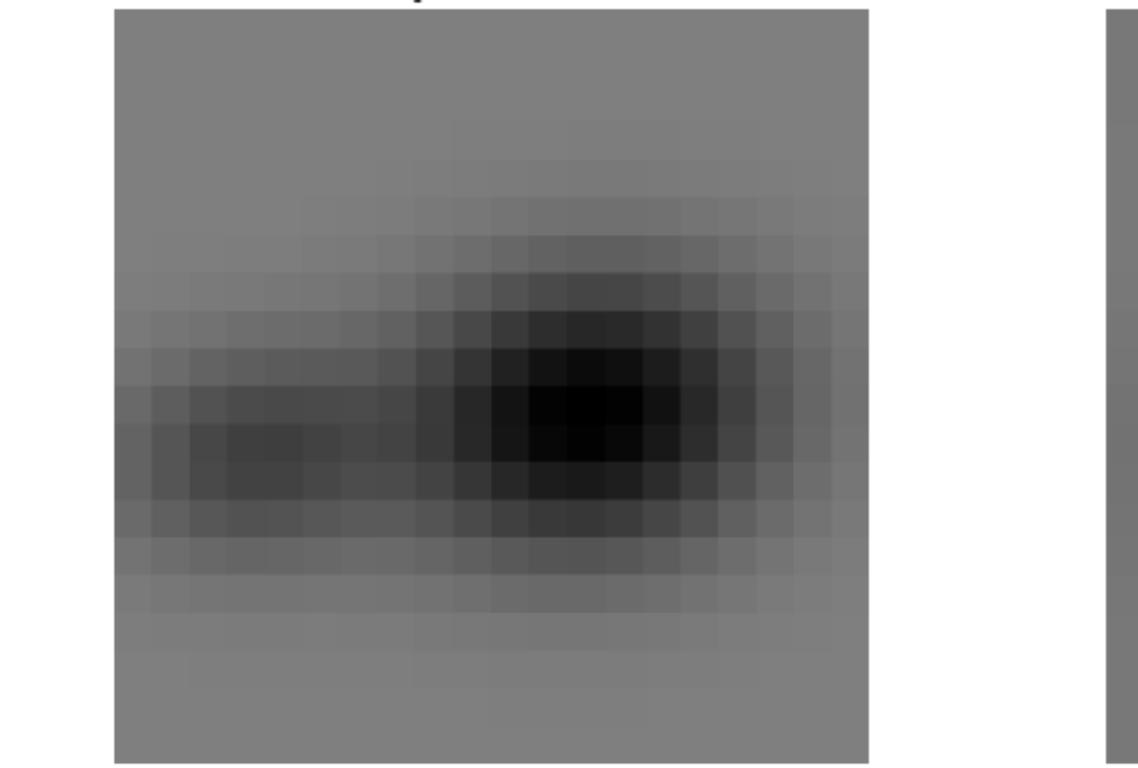
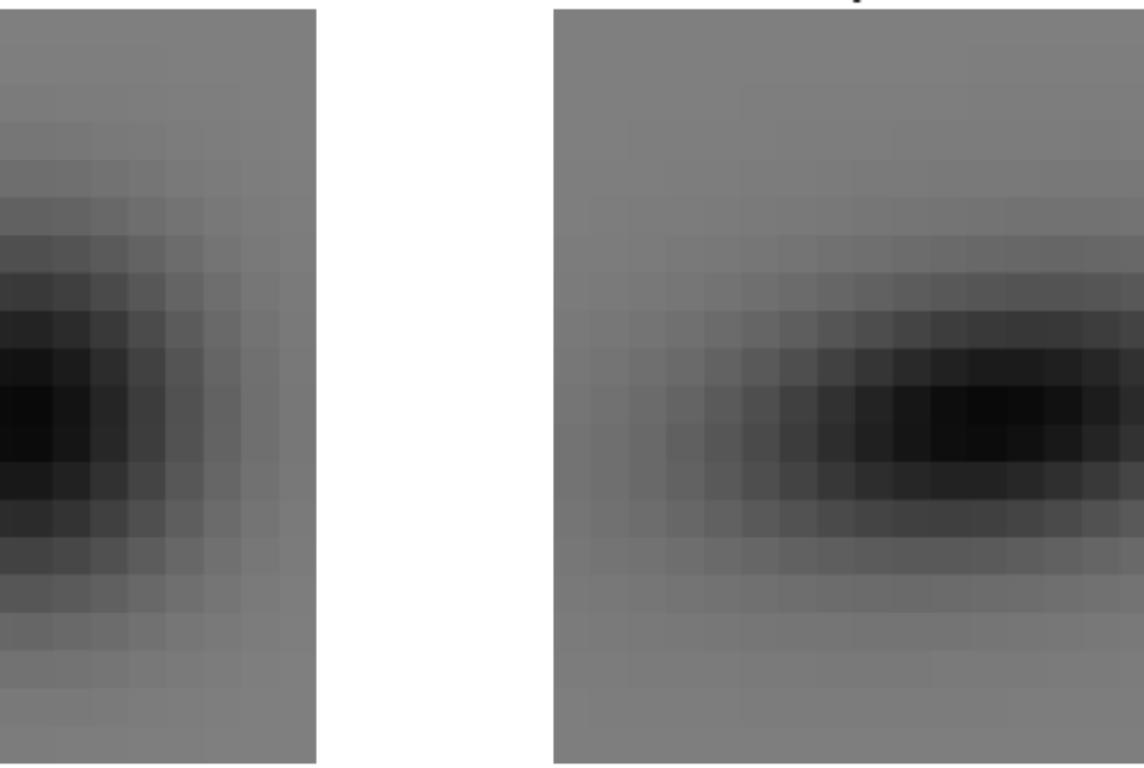
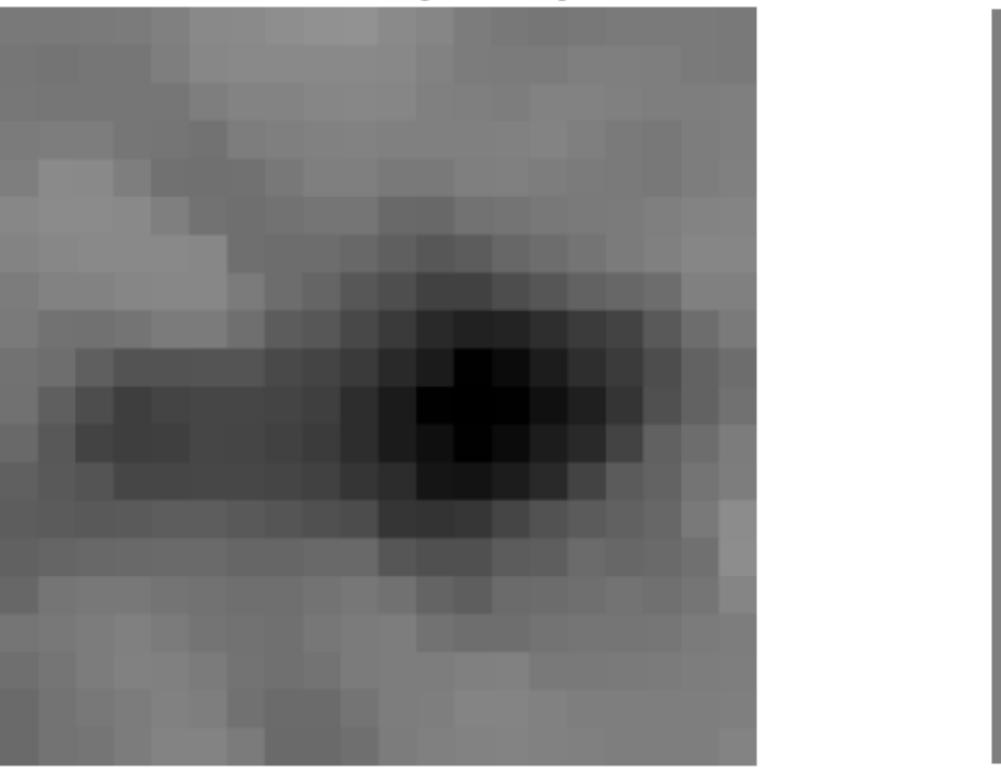
**Circular DoG**  
 $R^2=0.74$  | AICc=-773.6

**Elliptical DoG**  
 $R^2=0.86$  | AICc=-1011.5

**Noncon DoG**  
 $R^2=0.94$  | AICc=-1340.0

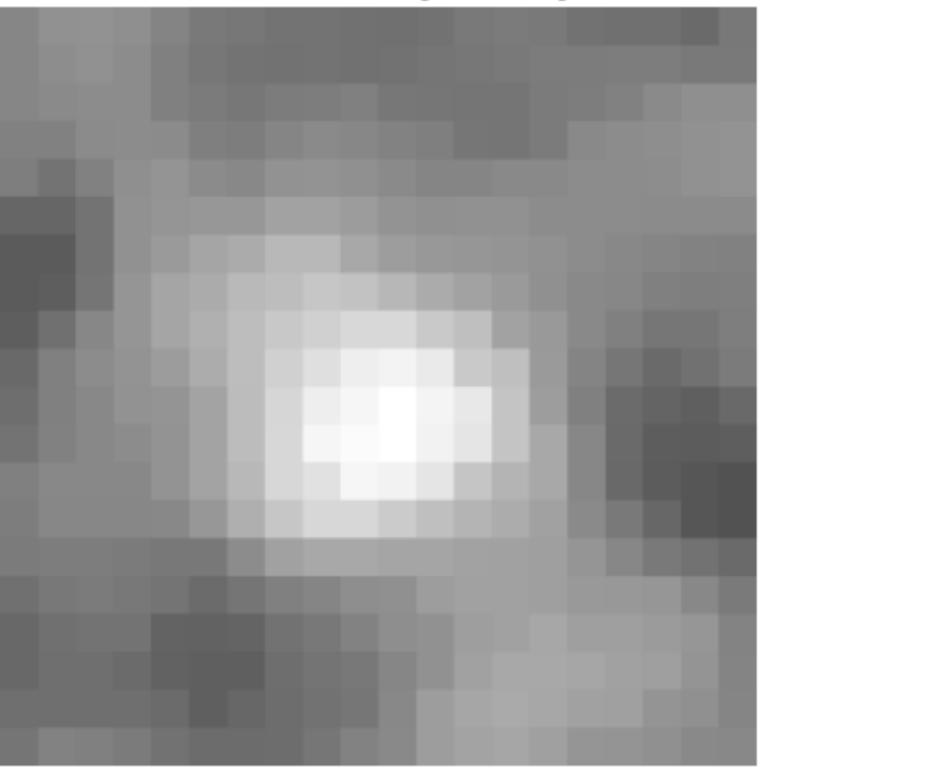
**Custom Gabor**  
 $R^2=0.85$  | AICc=-980.8

**DoG x cos**  
 $R^2=0.94$  | AICc=-1341.9

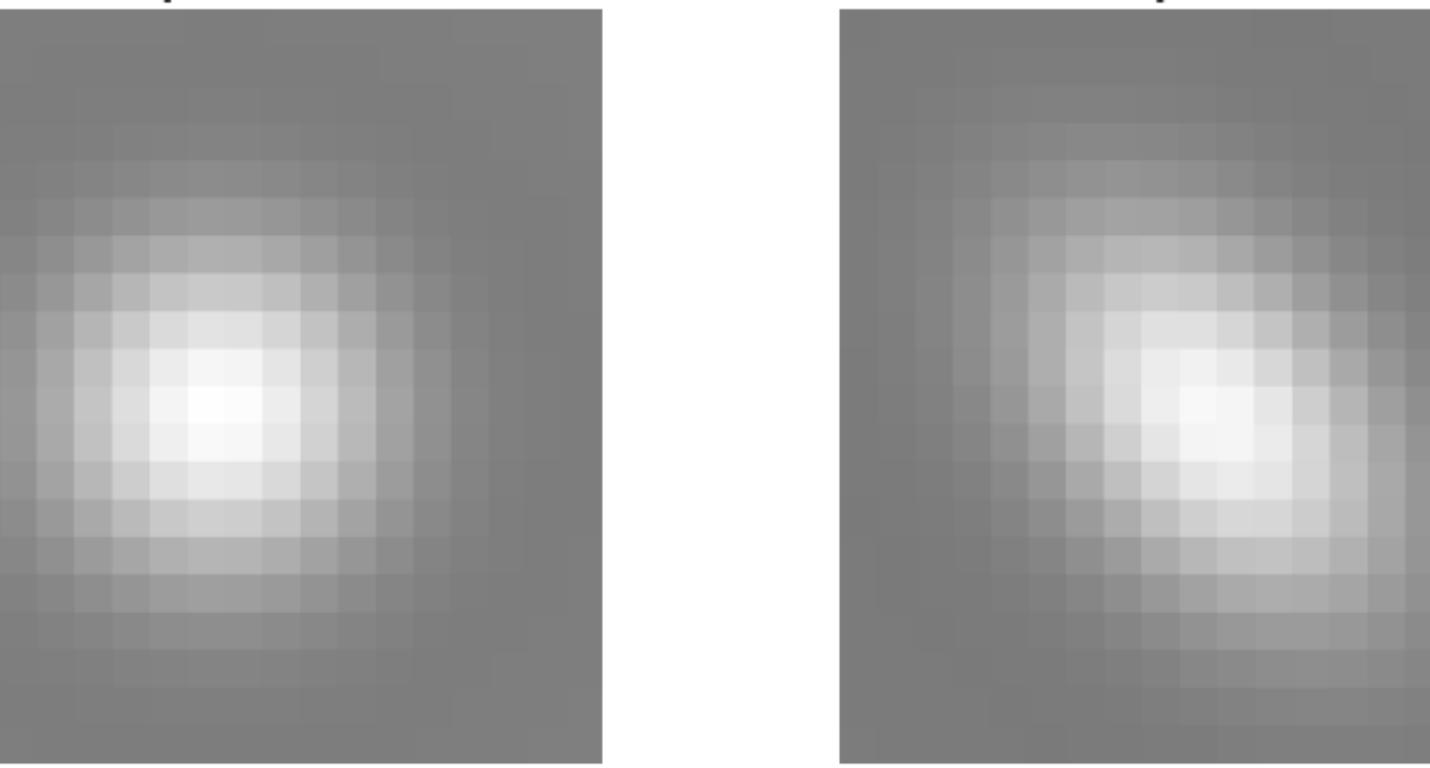


# RF Model Comparison - Cell 469

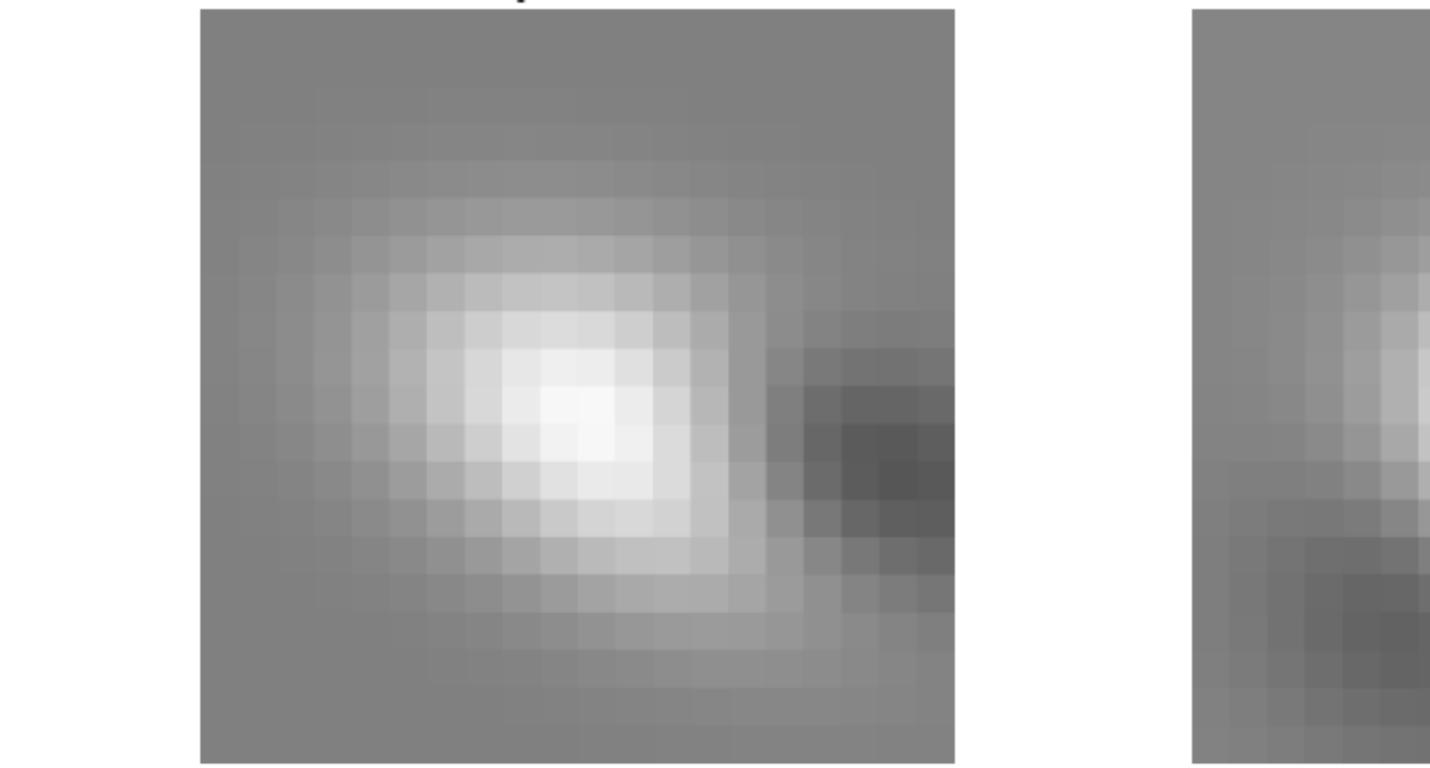
**STA**  
Cell 469 (ii=21)



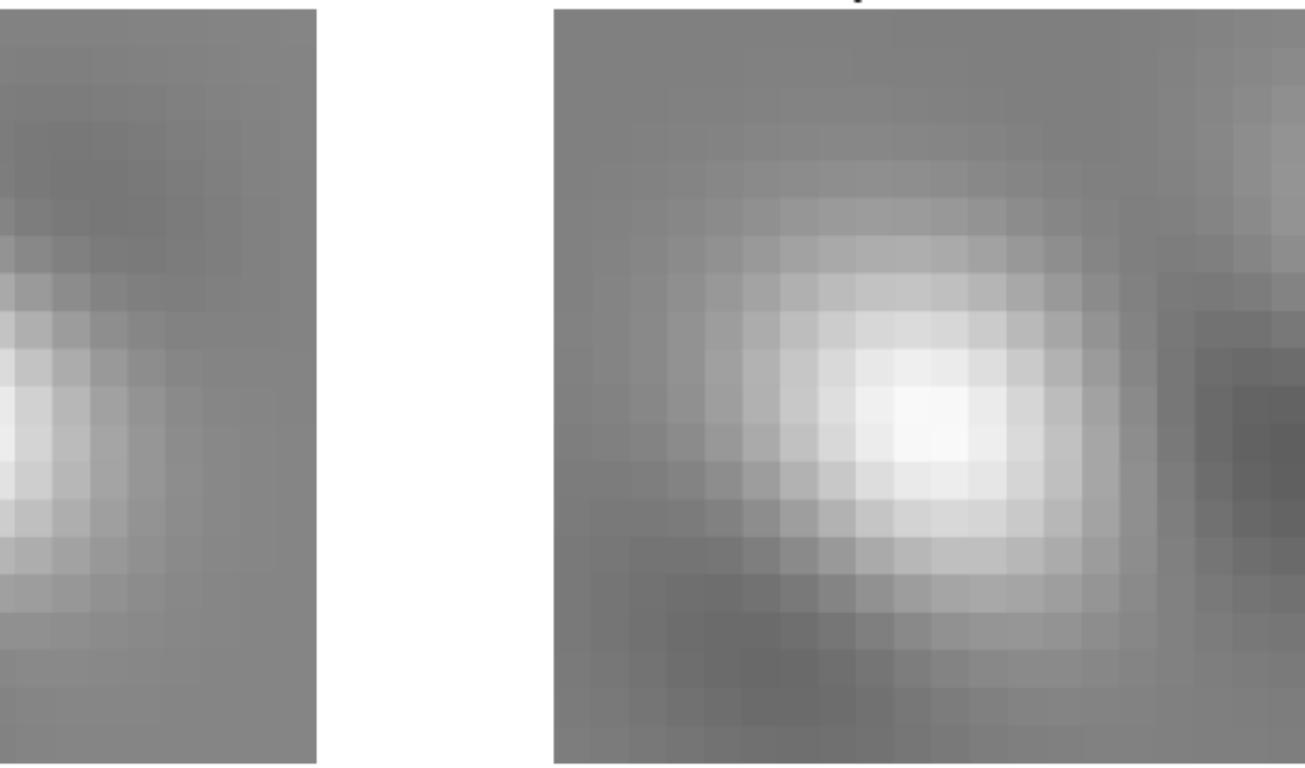
**Circular DoG**  
 $R^2=0.76$  | AICc=-850.1



**Elliptical DoG**  
 $R^2=0.79$  | AICc=-896.2



**Noncon DoG**  
 $R^2=0.84$  | AICc=-992.1



**Custom Gabor**



**DoG x cos**



$R^2=0.79$  | AICc=-889.3

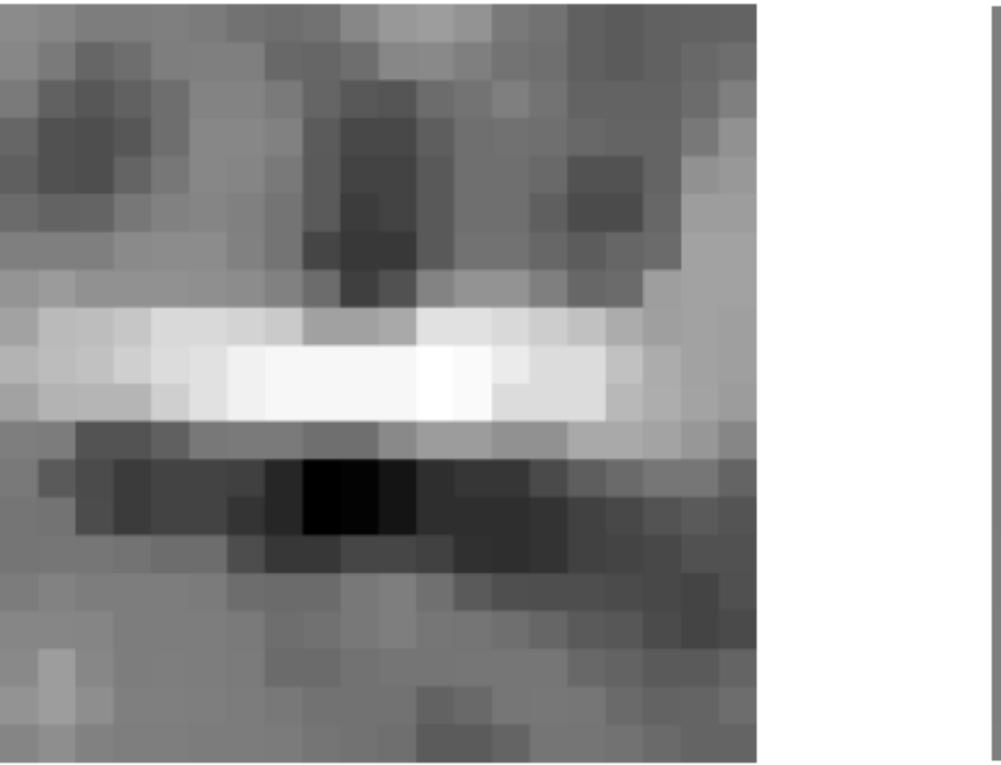


$R^2=0.85$  | AICc=-1026.4

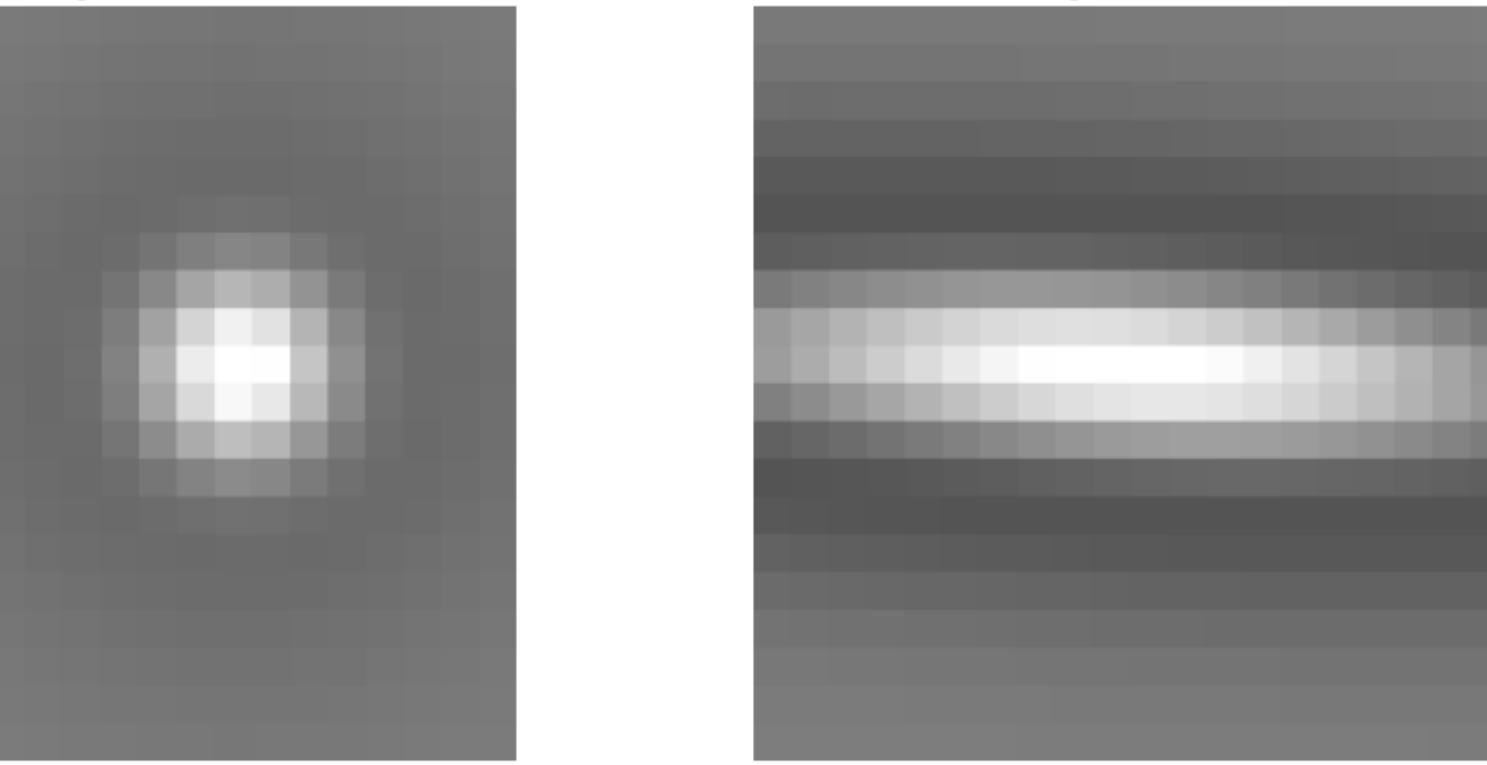


# RF Model Comparison - Cell 470

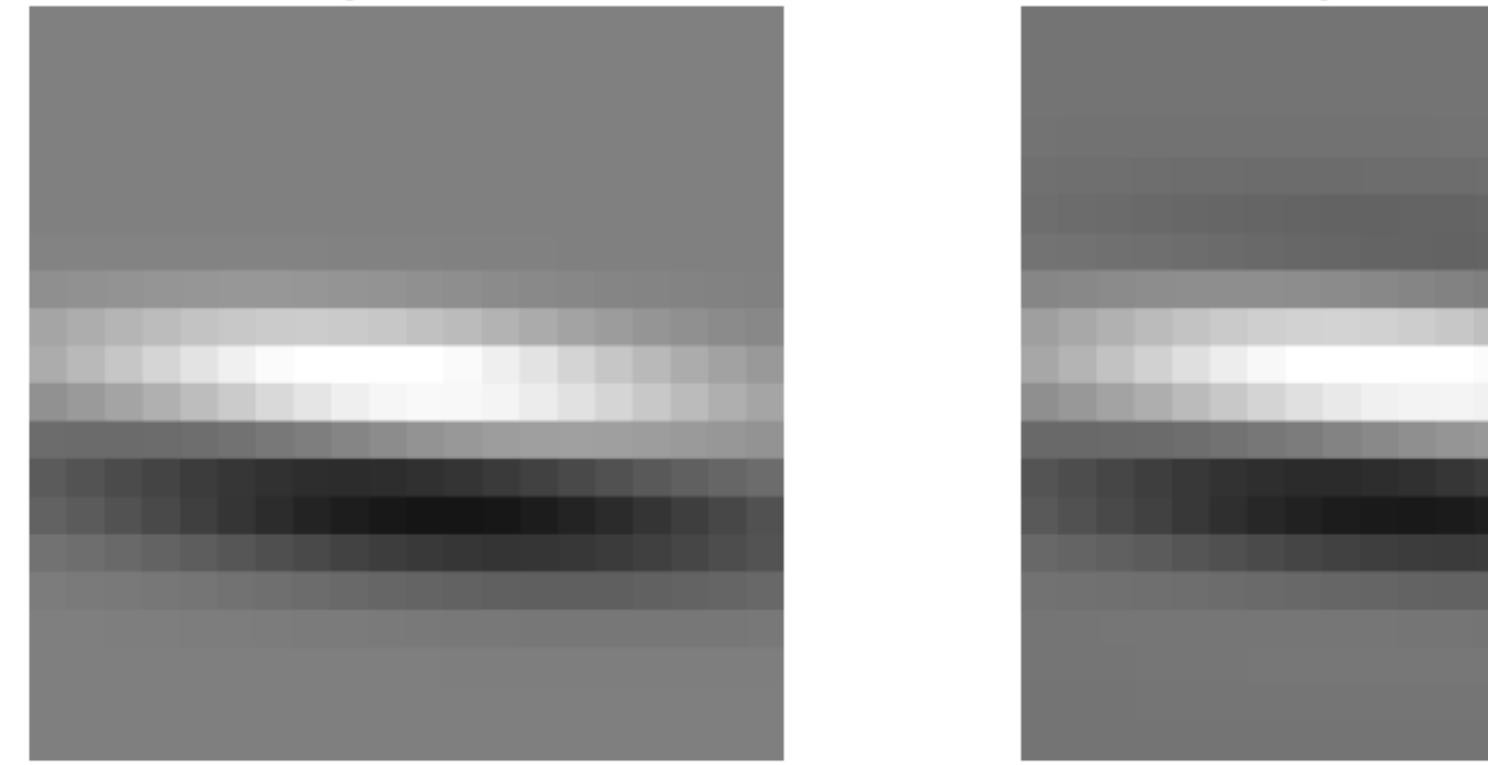
**STA**  
Cell 470 (ii=22)



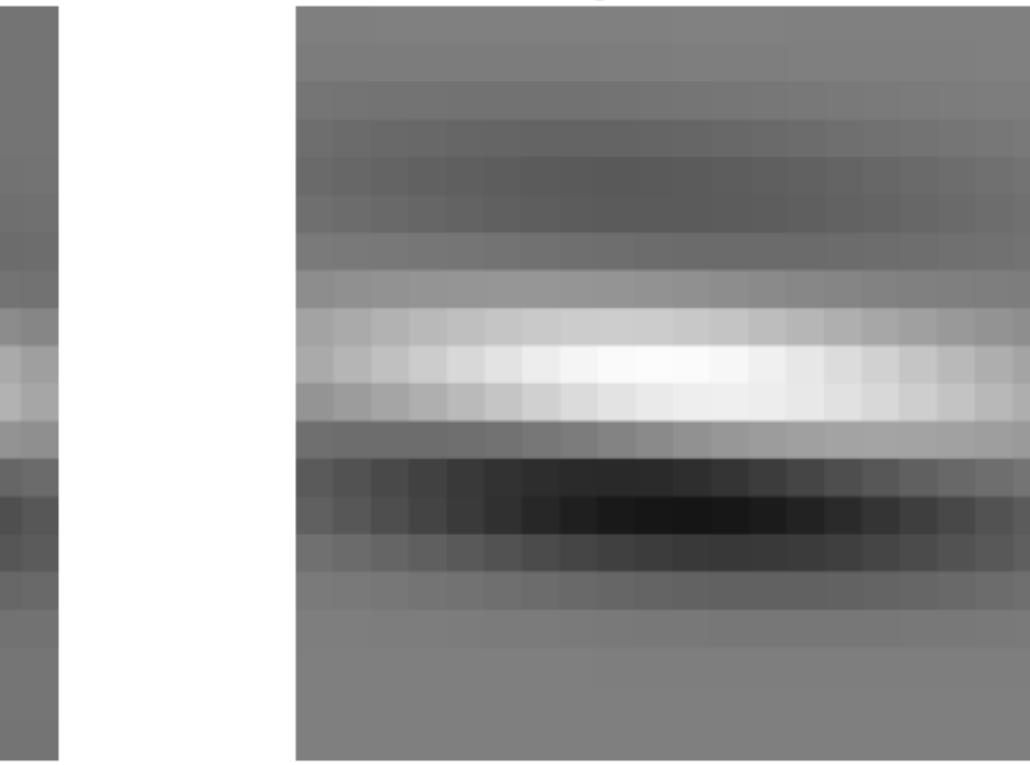
**Circular DoG**  
 $R^2=0.22$  | AICc=-533.8



**Elliptical DoG**  
 $R^2=0.69$  | AICc=-898.8



**Noncon DoG**  
 $R^2=0.76$  | AICc=-995.2



**Custom Gabor**  
 $R^2=0.82$  | AICc=-1111.4

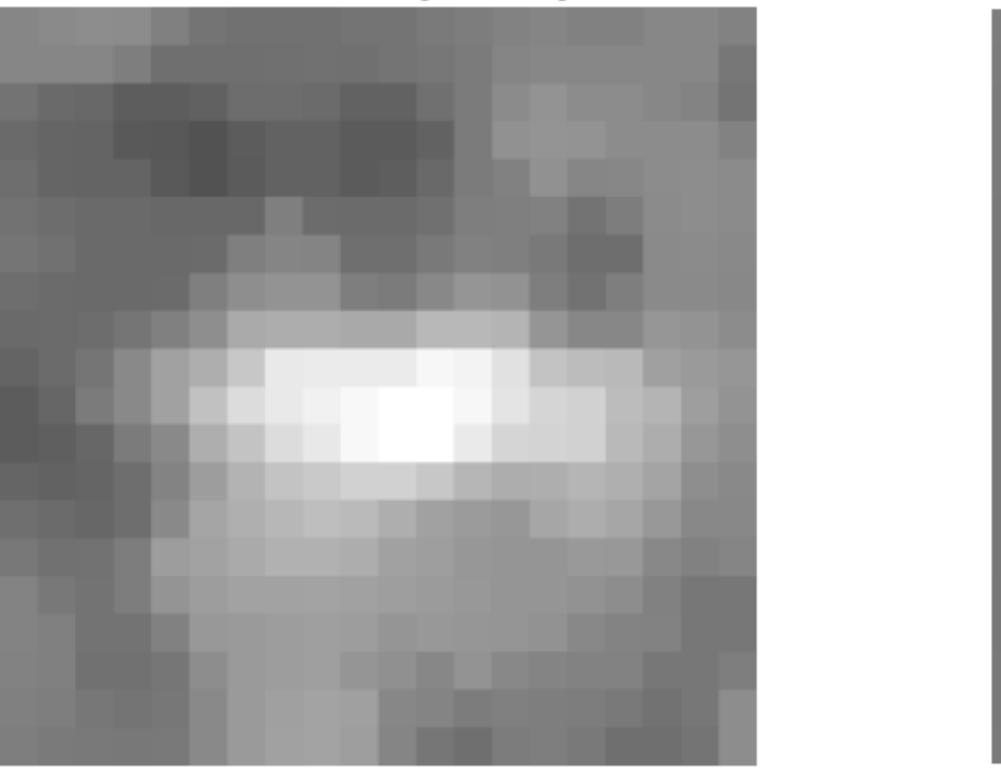


**DoG x cos**  
 $R^2=0.81$  | AICc=-1094.6

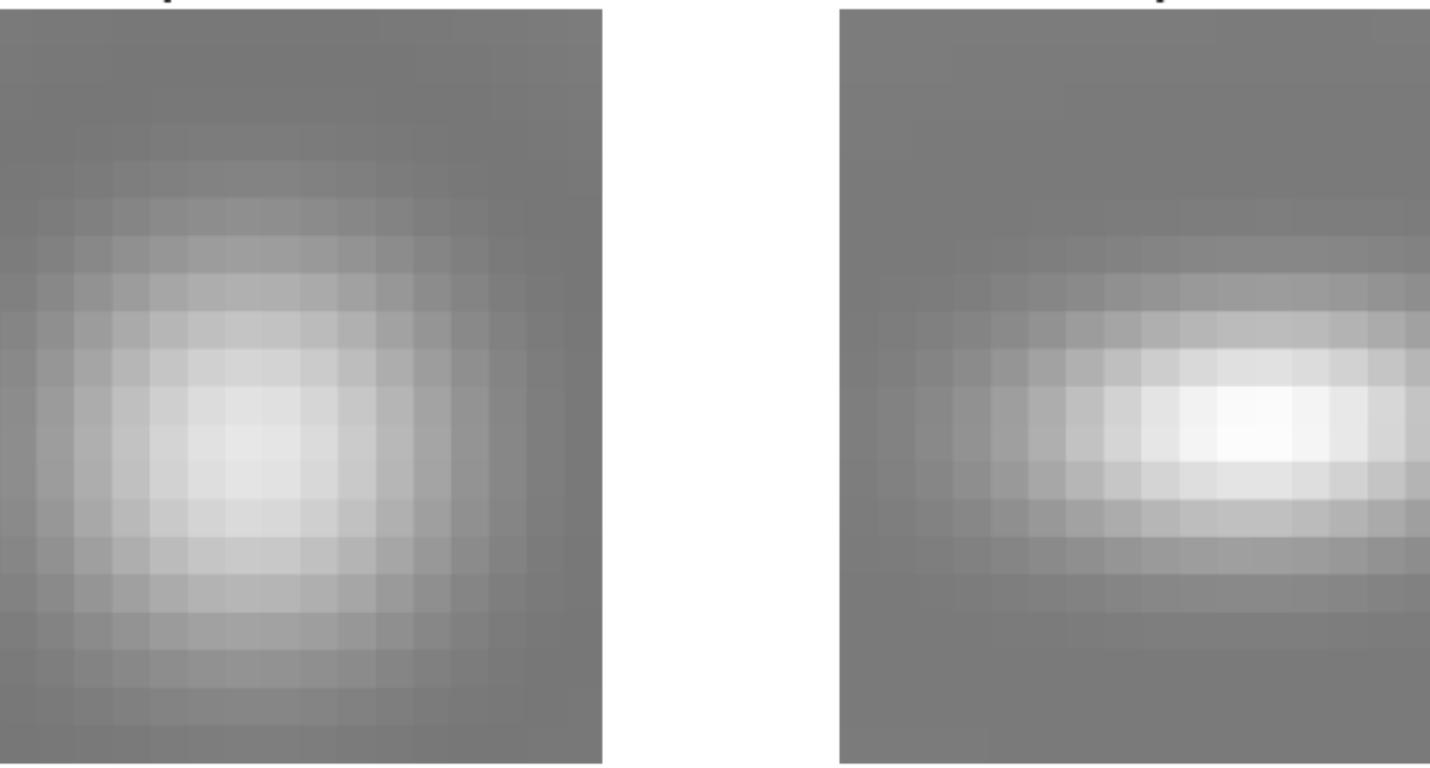


# RF Model Comparison - Cell 479

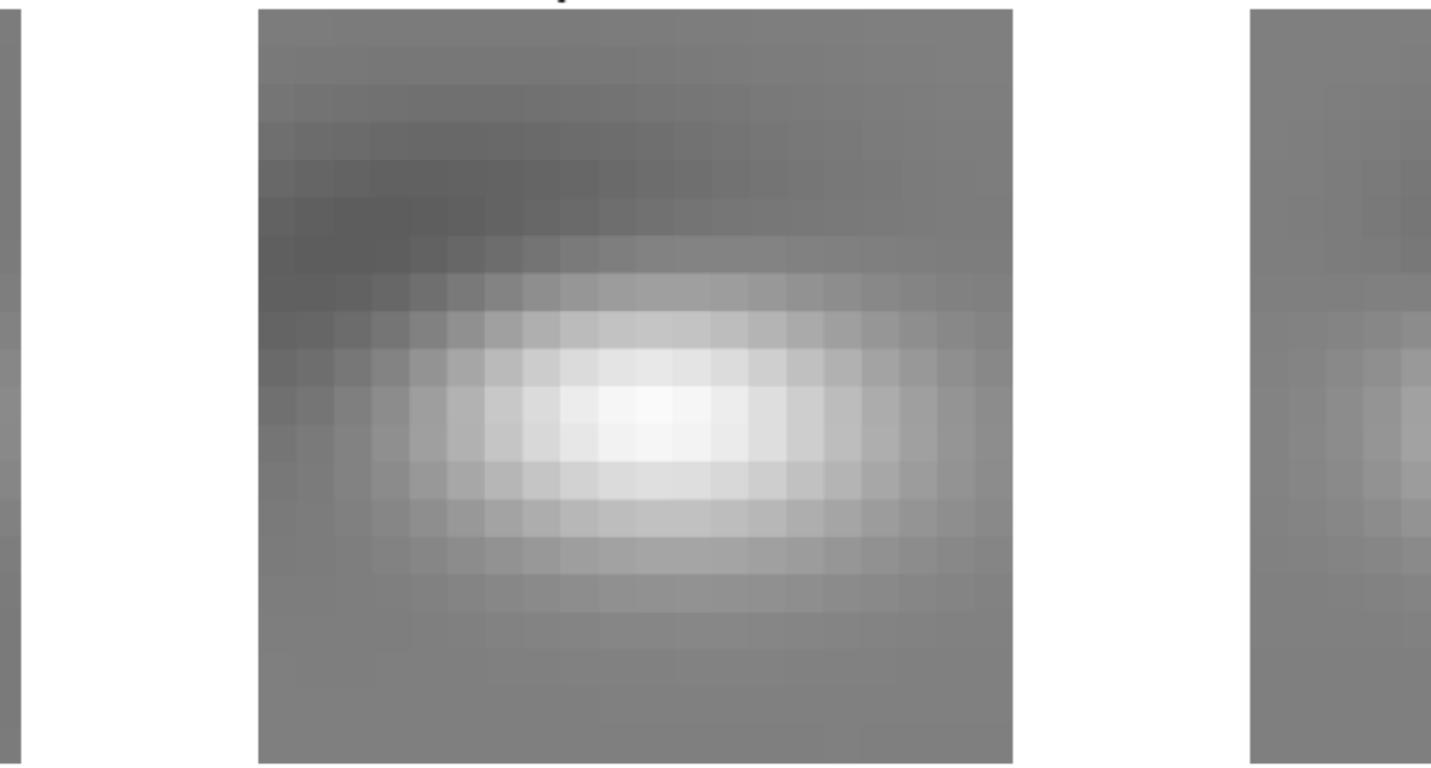
**STA**  
Cell 479 (ii=23)



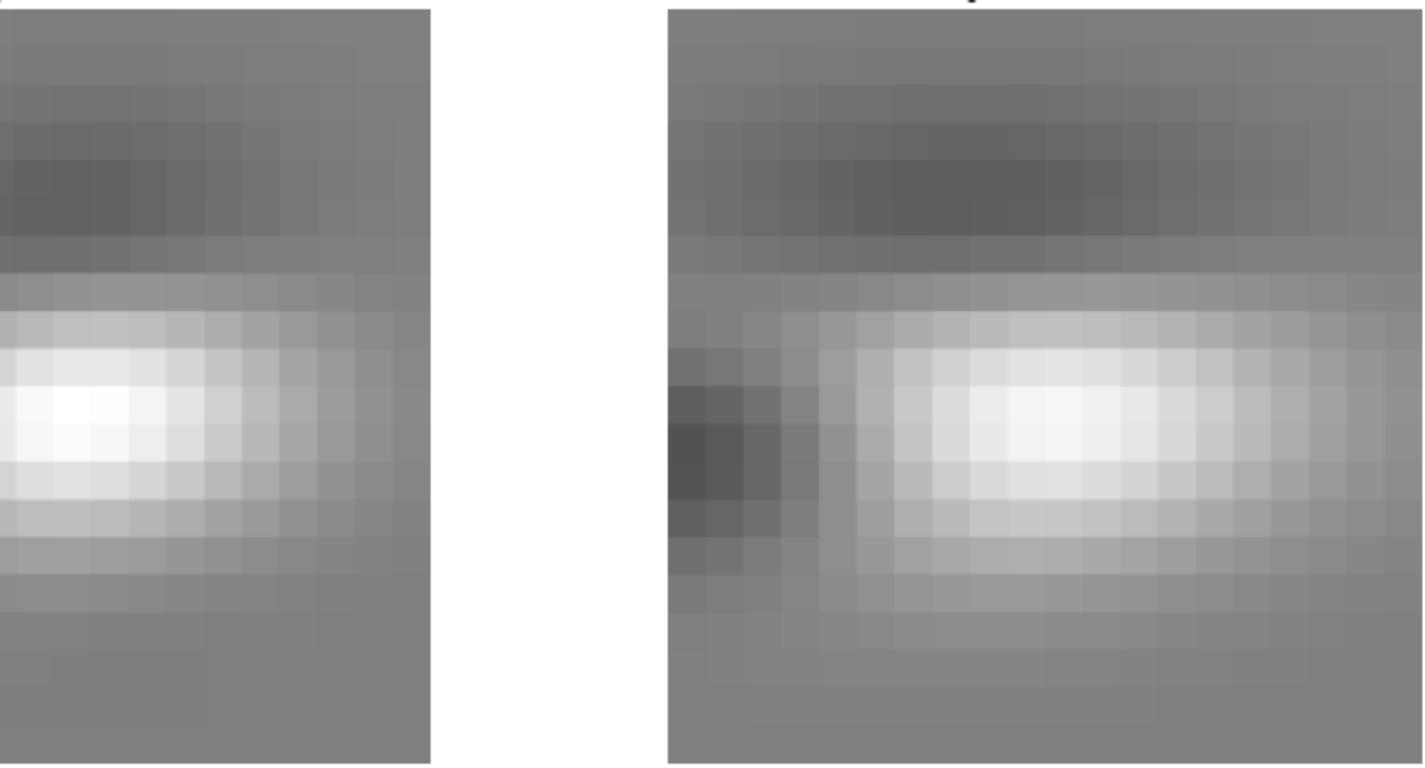
**Circular DoG**  
 $R^2=0.66$  | AICc=-801.2



**Elliptical DoG**  
 $R^2=0.75$  | AICc=-917.7



**Noncon DoG**  
 $R^2=0.83$  | AICc=-1080.0



**Custom Gabor**  
 $R^2=0.77$  | AICc=-954.9



**DoG x cos**  
 $R^2=0.85$  | AICc=-1128.7



# RF Model Comparison - Cell 592

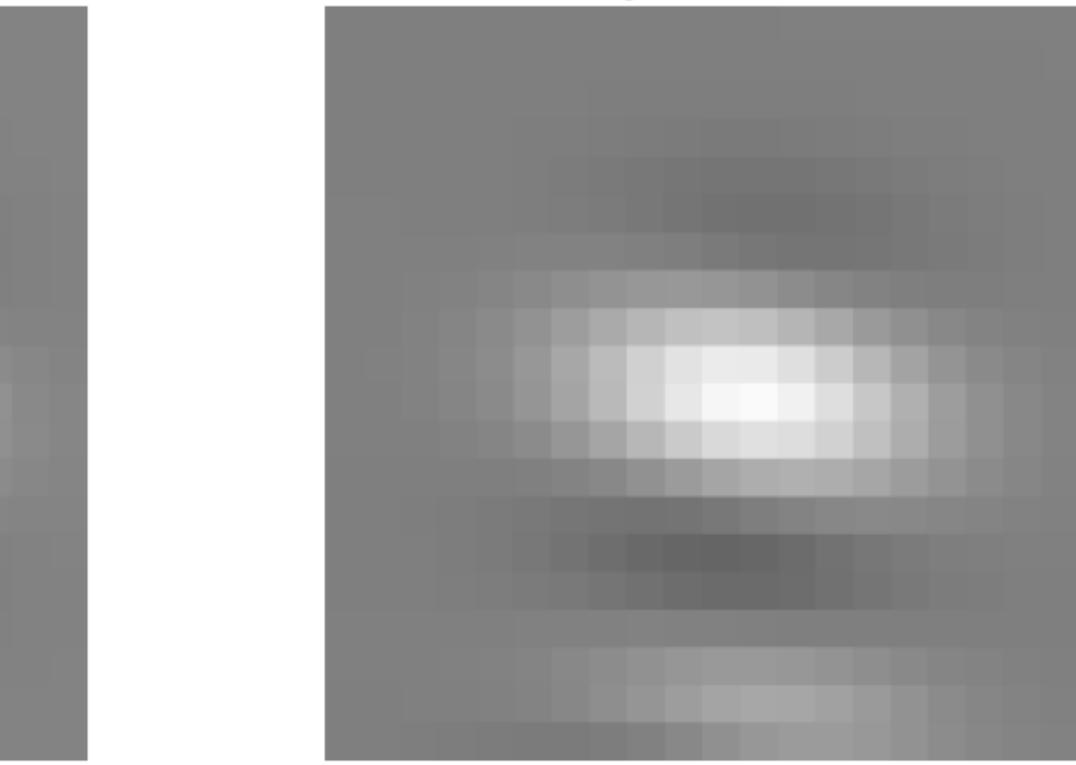
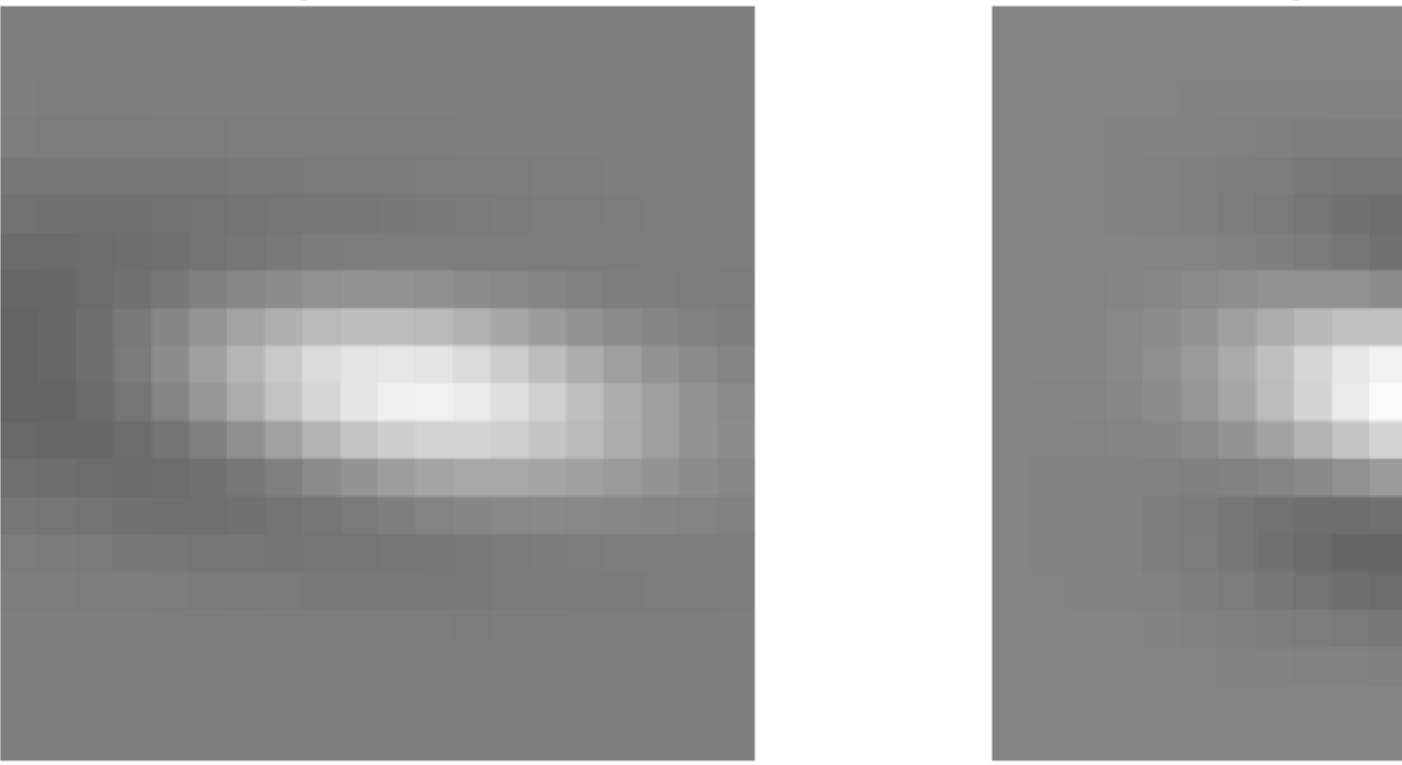
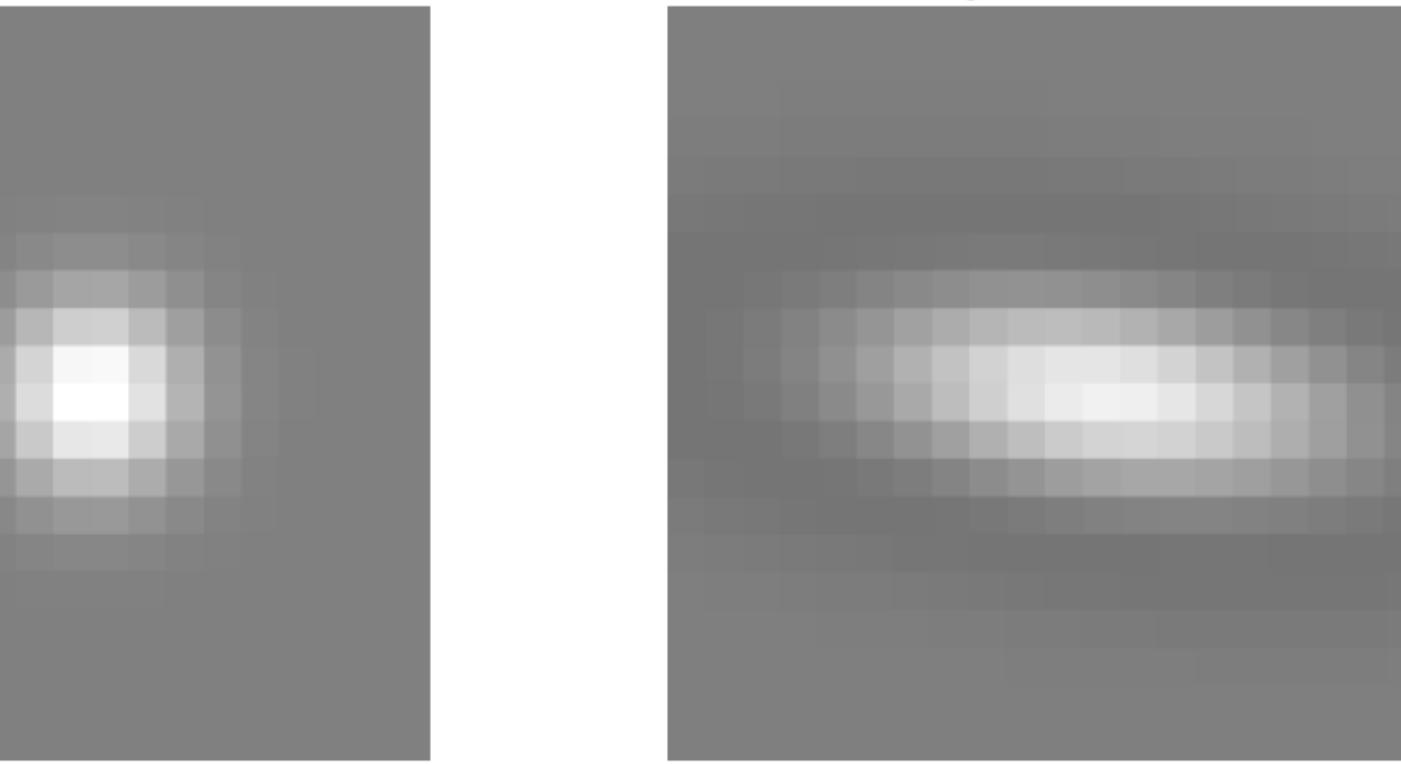
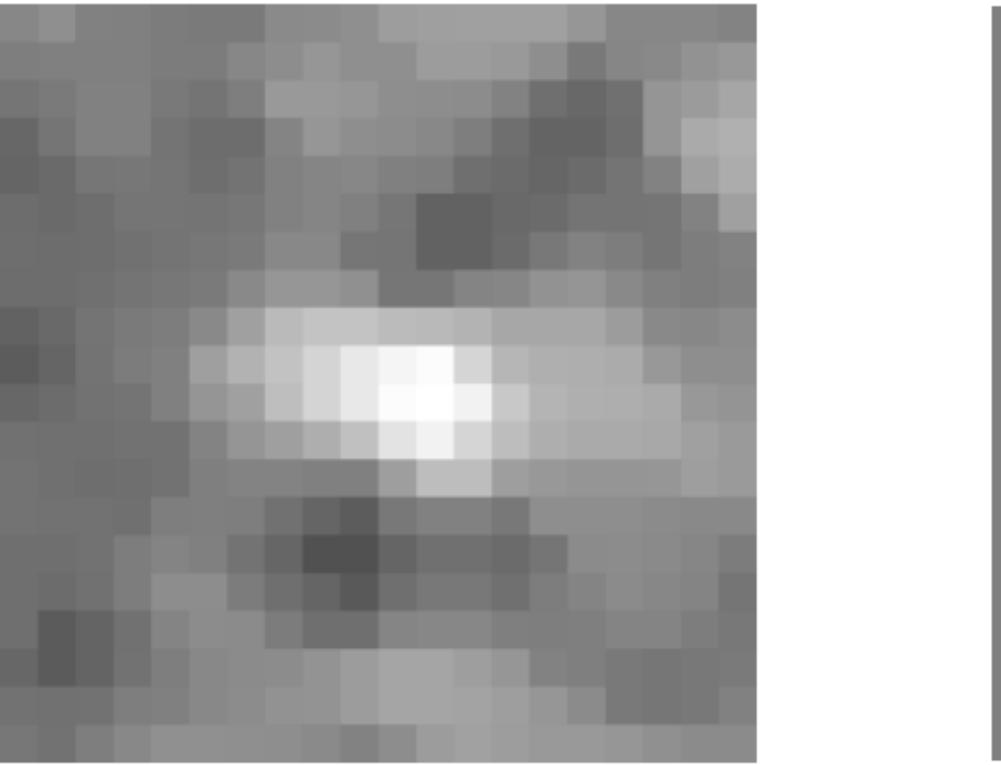
**STA**  
Cell 592 (ii=24)

**Circular DoG**  
 $R^2=0.49$  | AICc=-1073.7

**Elliptical DoG**  
 $R^2=0.68$  | AICc=-1253.3

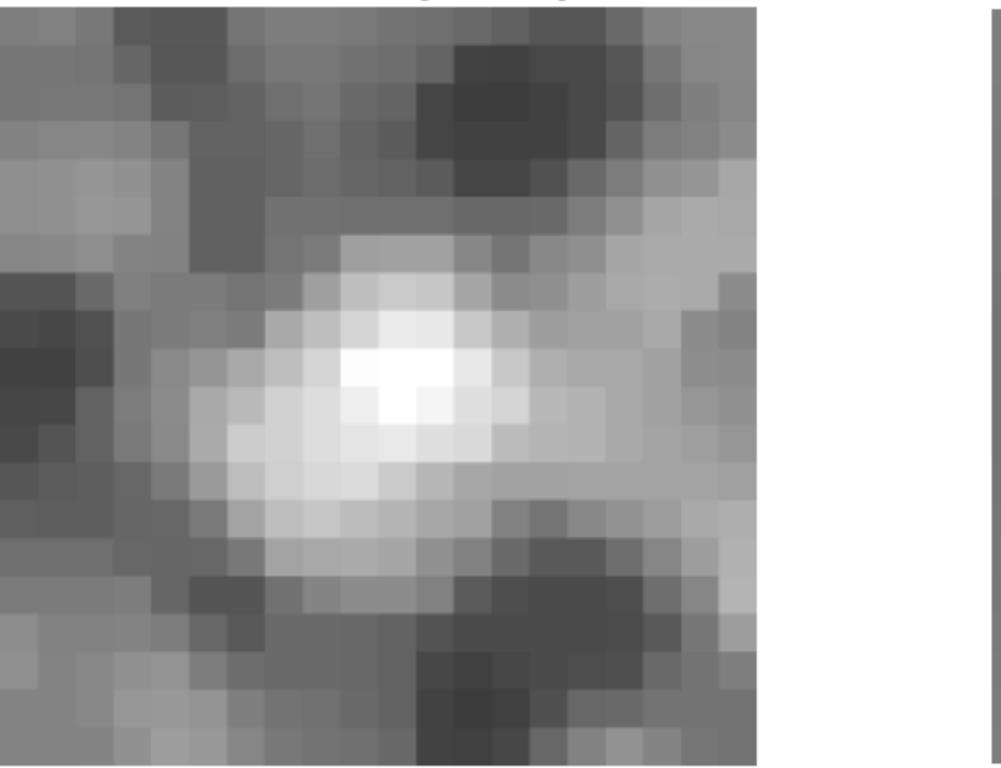
**Noncon DoG**  
 $R^2=0.71$  | AICc=-1291.7

**Custom Gabor**  
 $R^2=0.69$  | AICc=-1259.8

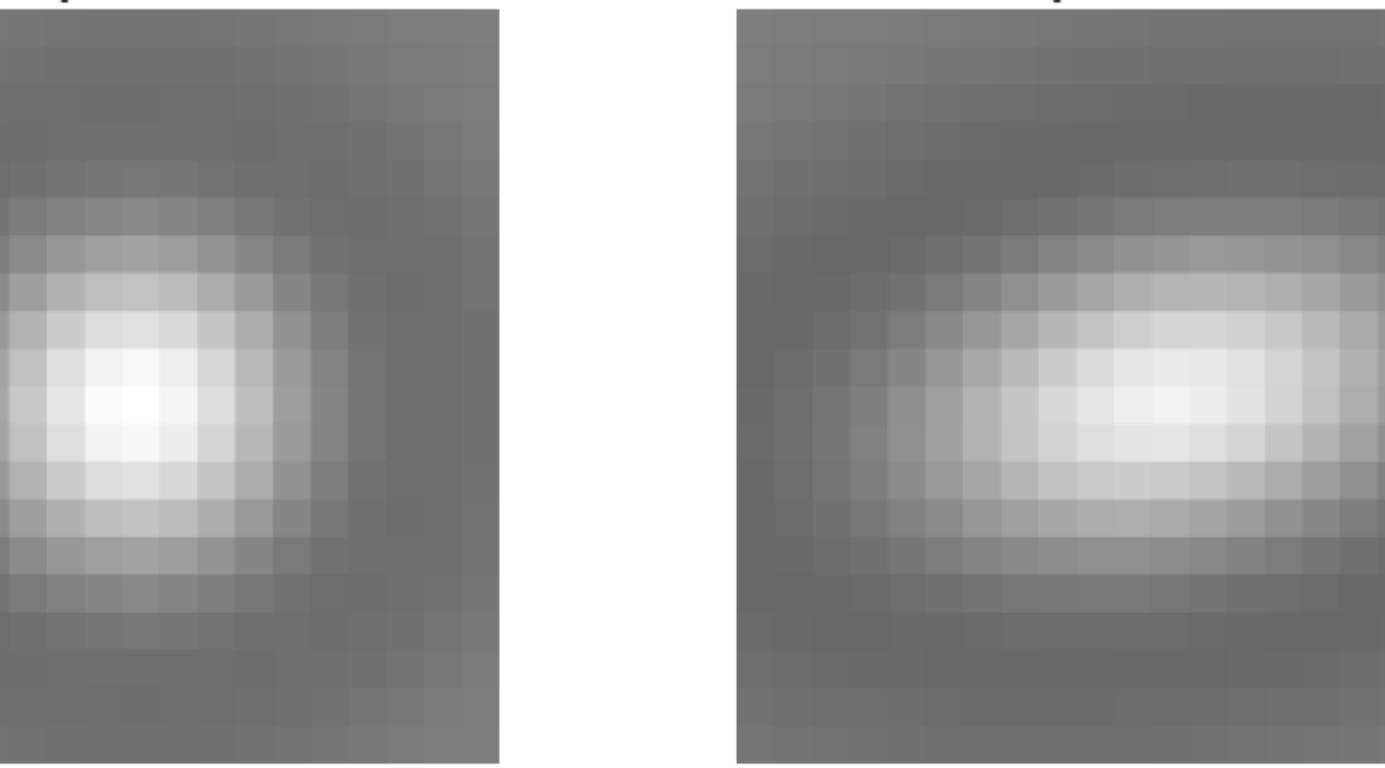


# RF Model Comparison - Cell 600

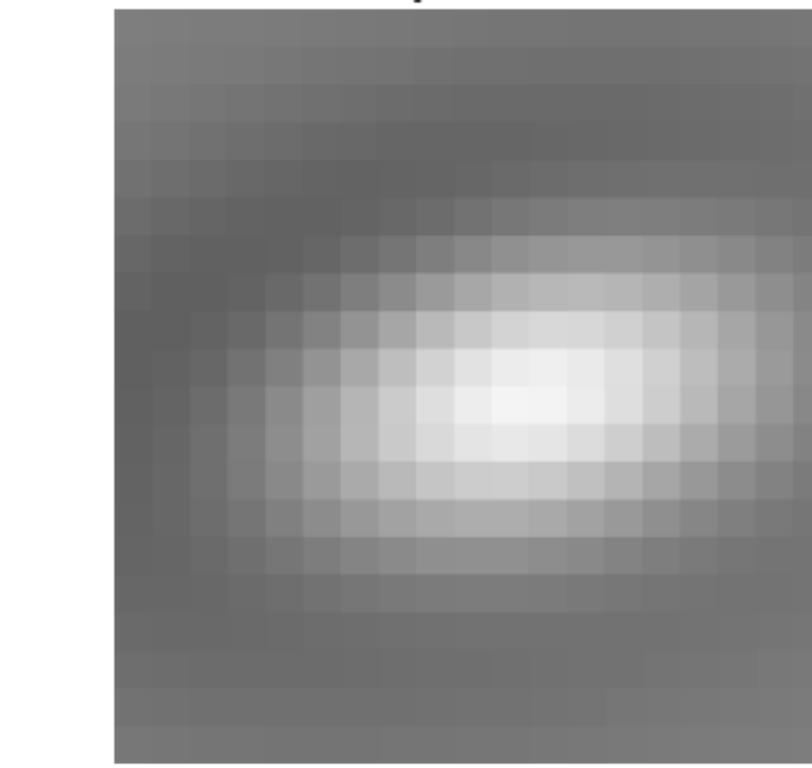
**STA**  
Cell 600 (ii=25)



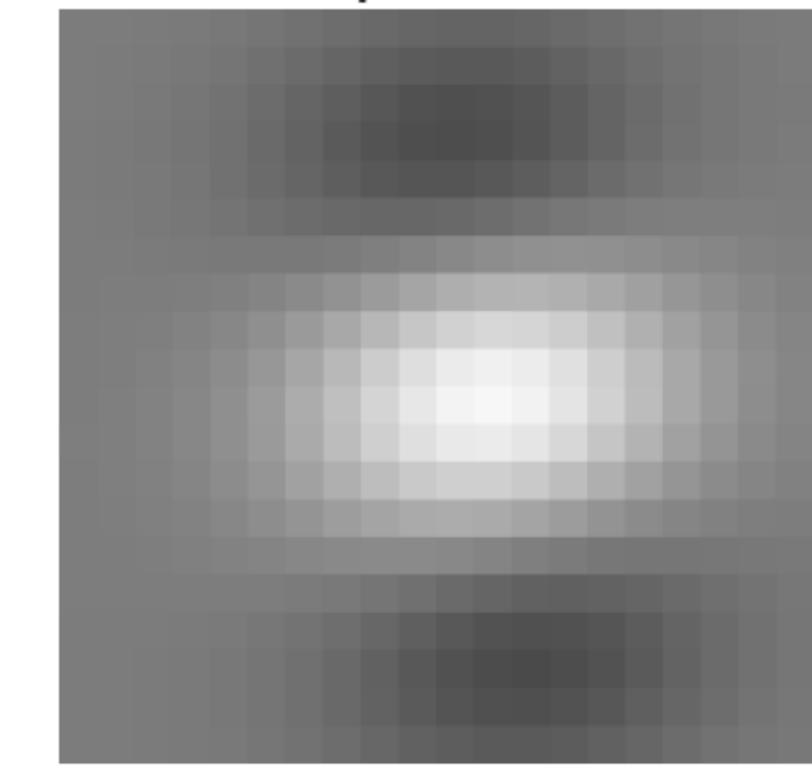
**Circular DoG**  
 $R^2=0.57$  | AICc=-937.3



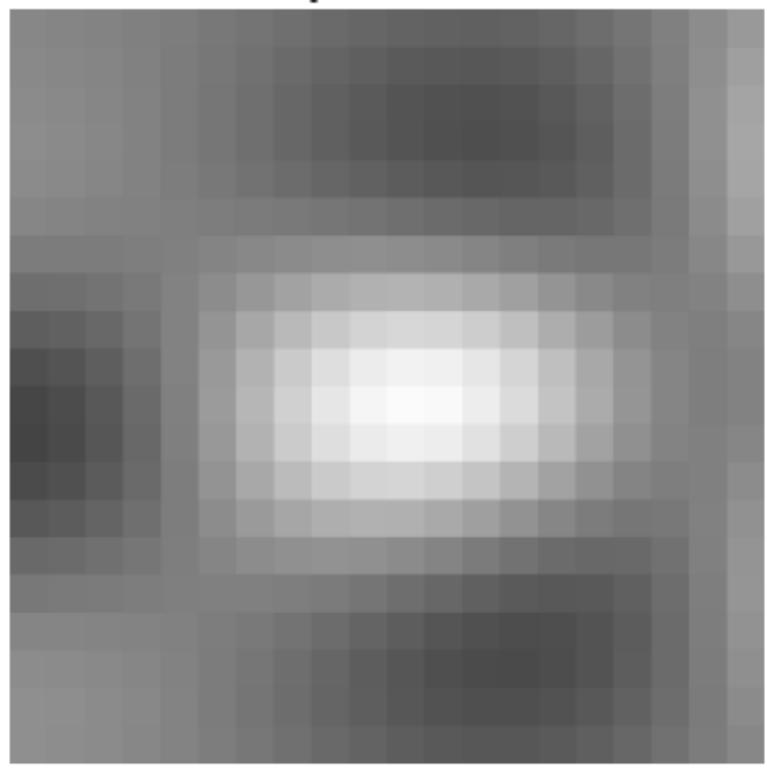
**Elliptical DoG**  
 $R^2=0.64$  | AICc=-997.8



**Noncon DoG**  
 $R^2=0.65$  | AICc=-1006.3



**Custom Gabor**  
 $R^2=0.71$  | AICc=-1087.0



**DoG x cos**  
 $R^2=0.81$  | AICc=-1243.7



# RF Model Comparison - Cell 622

**STA**  
Cell 622 (ii=26)

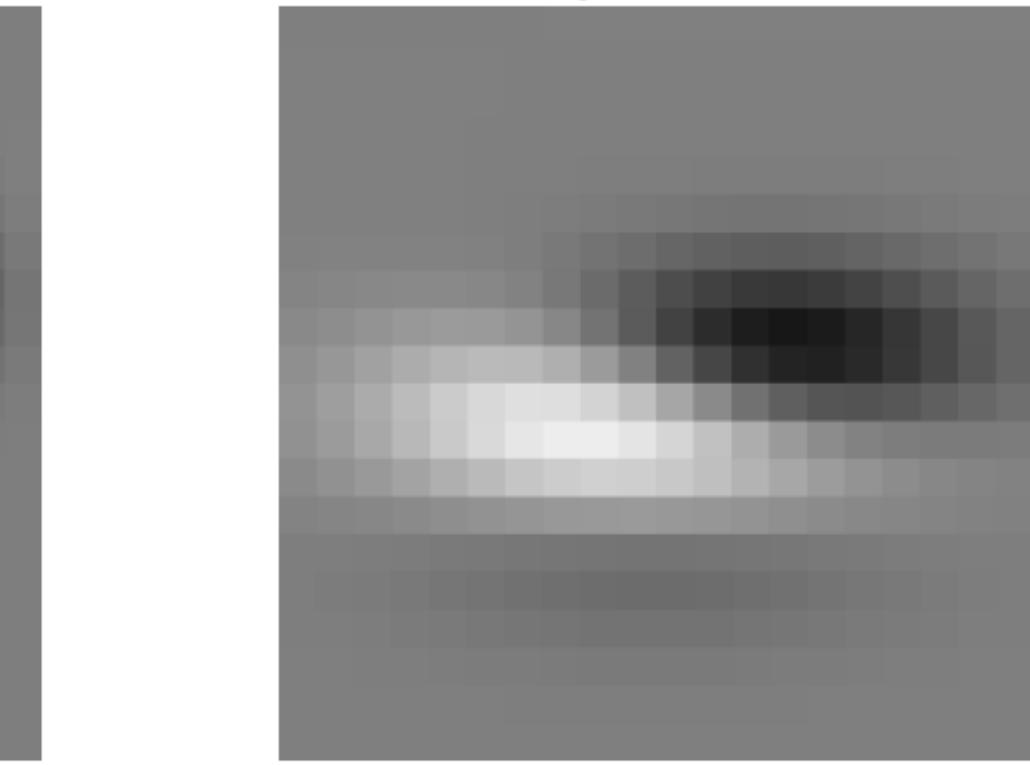
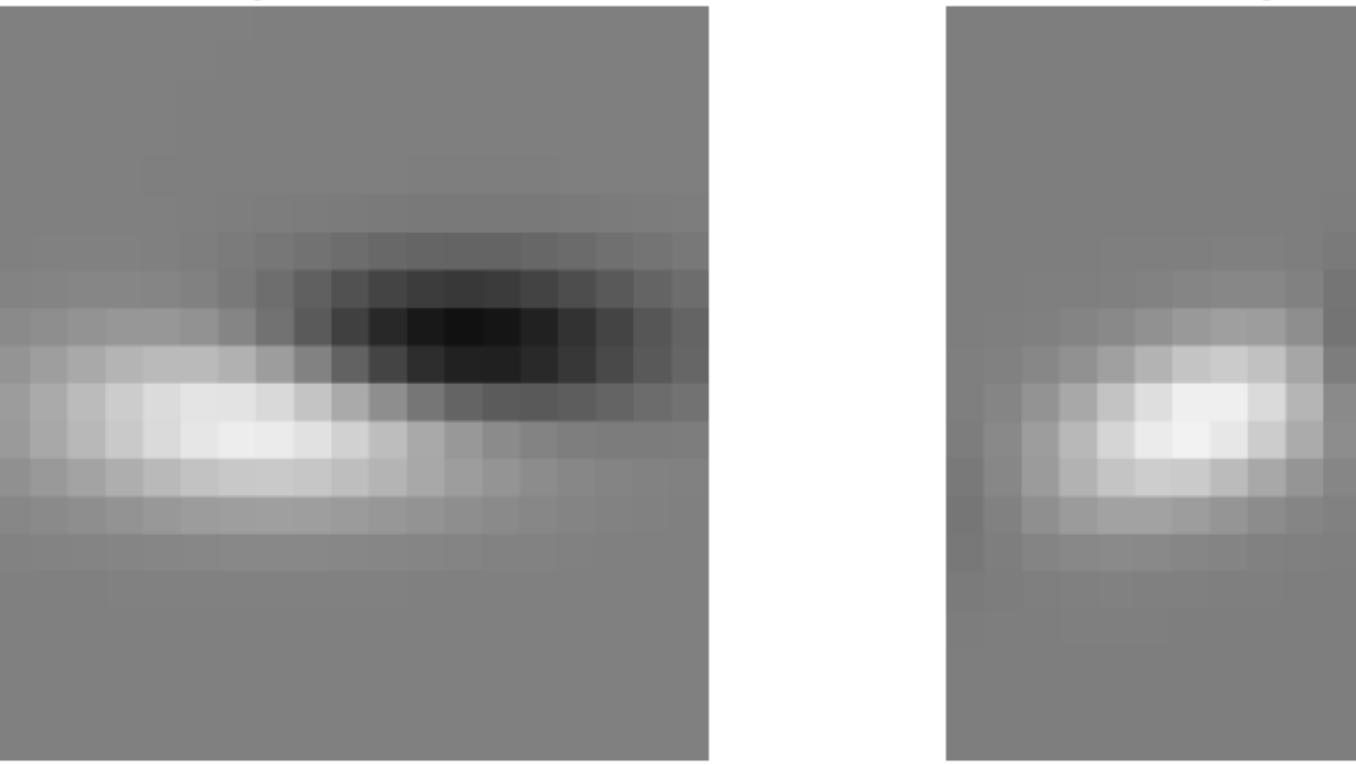
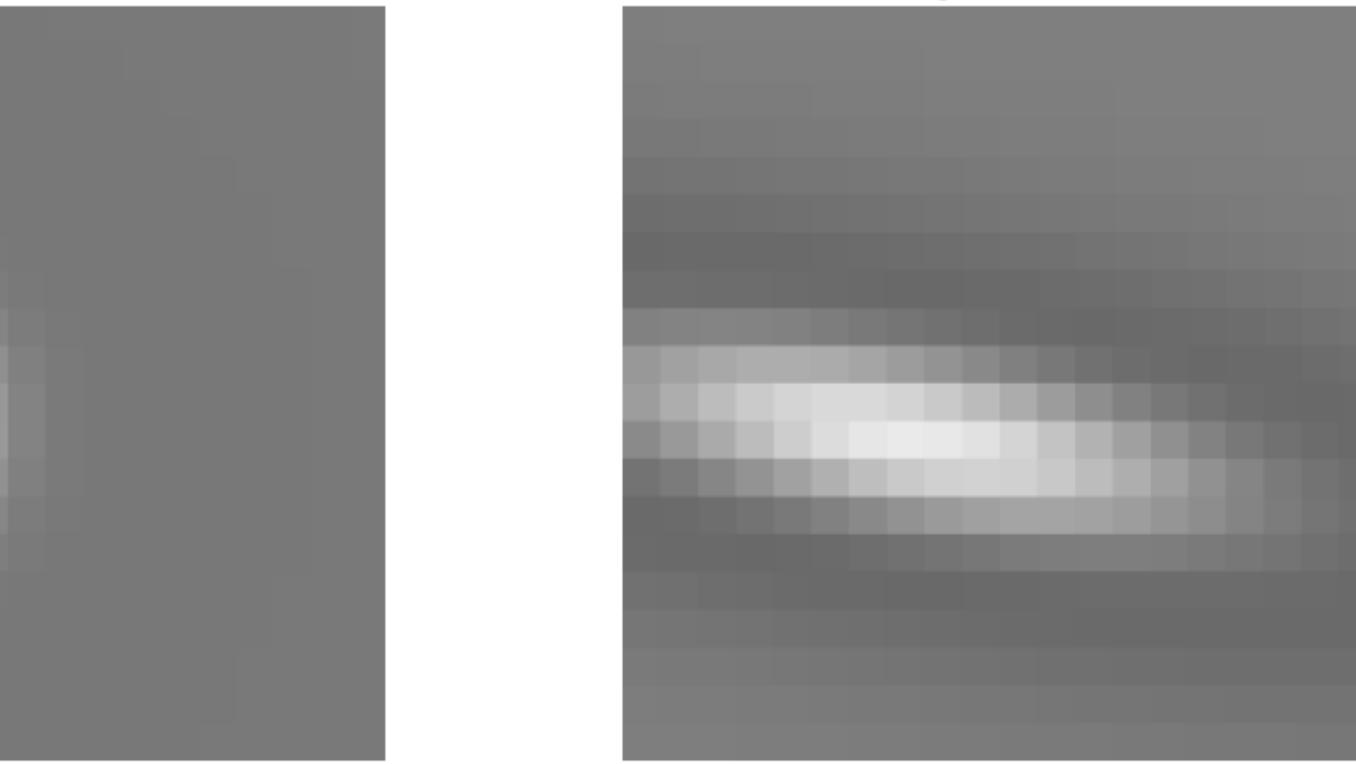
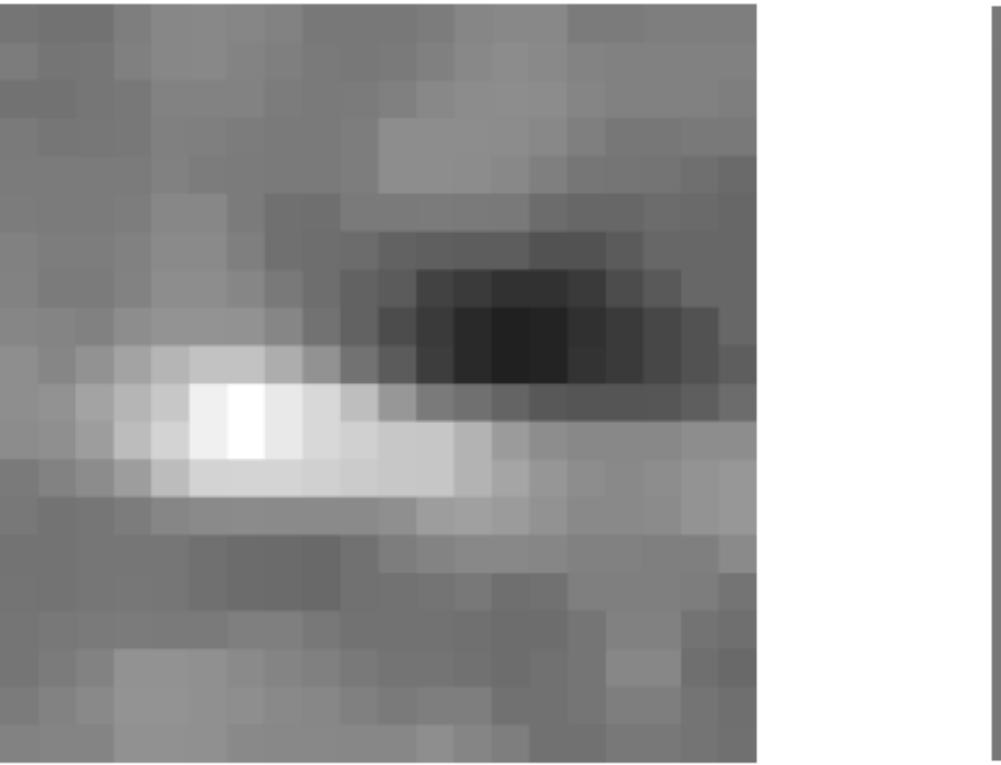
**Circular DoG**  
 $R^2=0.43$  | AICc=-457.7

**Elliptical DoG**  
 $R^2=0.63$  | AICc=-621.1

**Noncon DoG**  
 $R^2=0.88$  | AICc=-1070.9

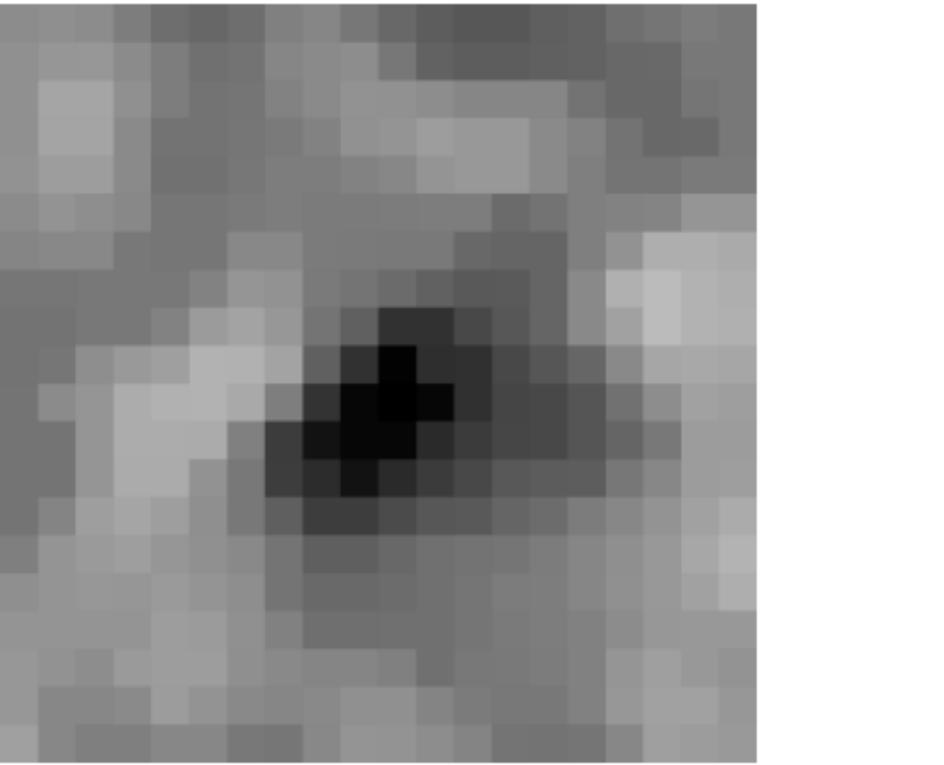
**Custom Gabor**  
 $R^2=0.72$  | AICc=-739.1

**DoG x cos**  
 $R^2=0.91$  | AICc=-1165.5

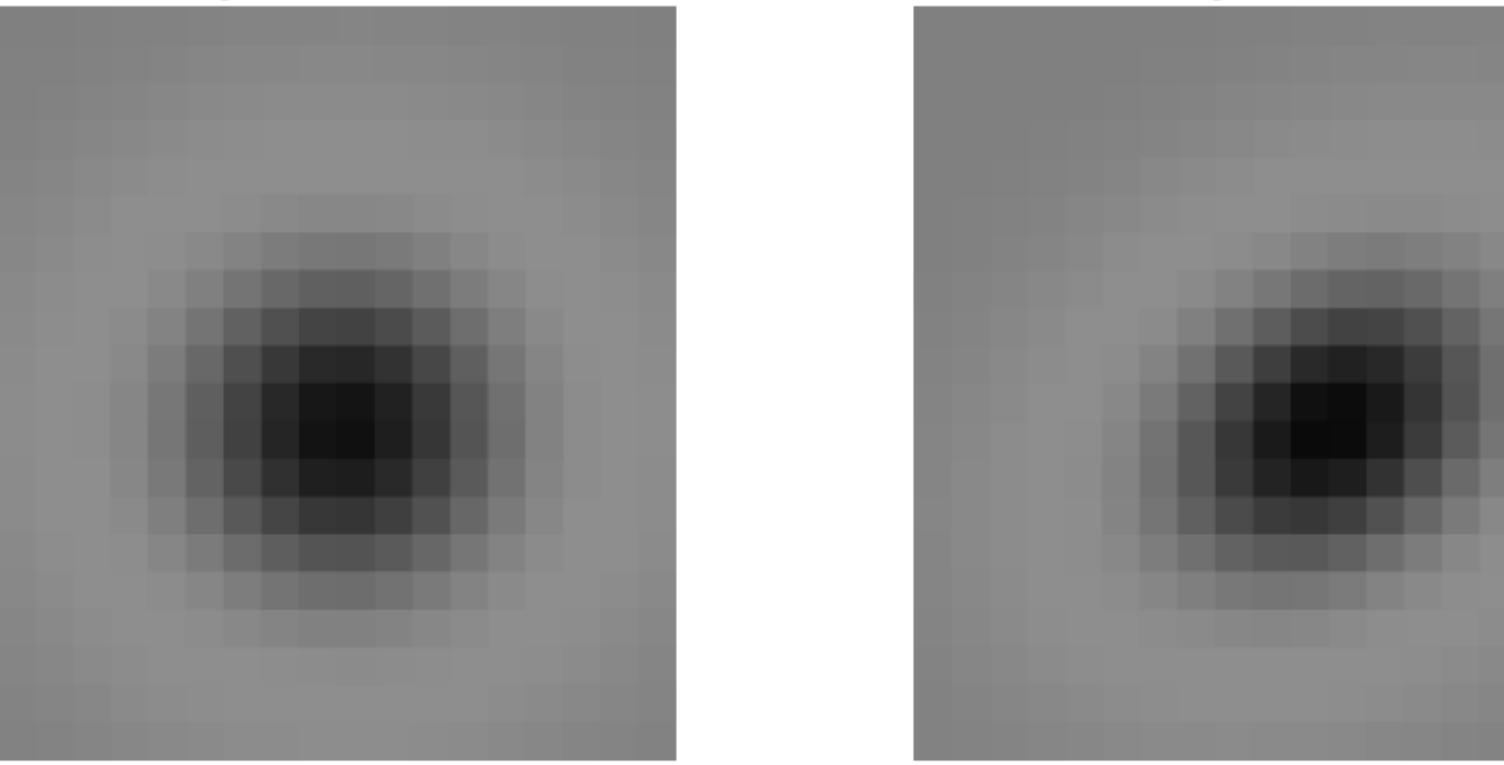


# RF Model Comparison - Cell 646

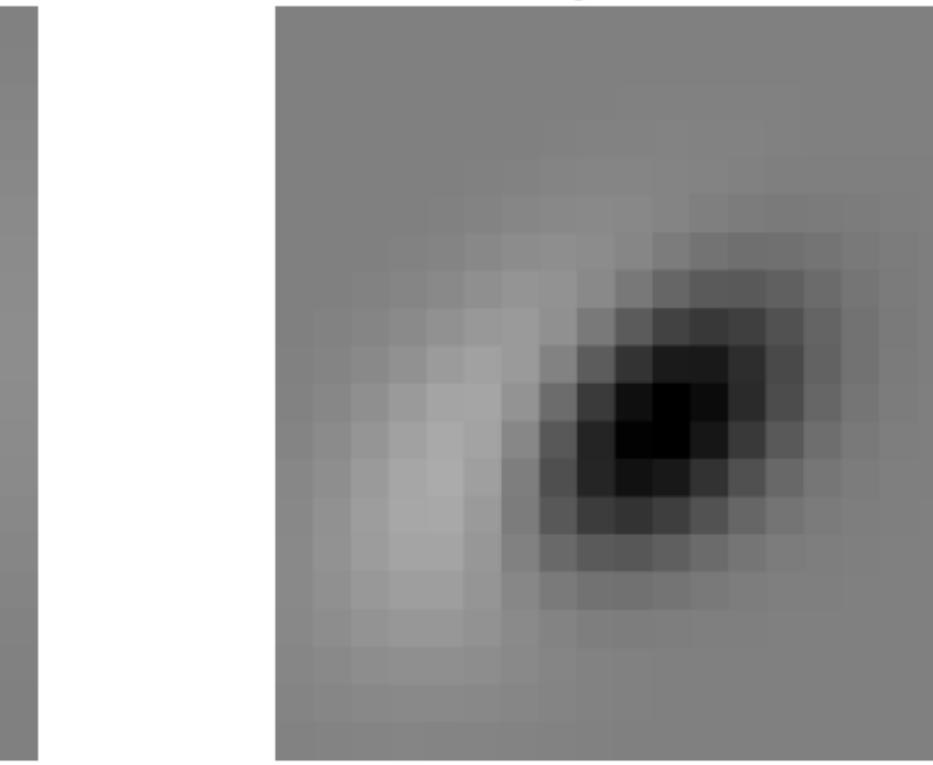
**STA**  
Cell 646 (ii=28)



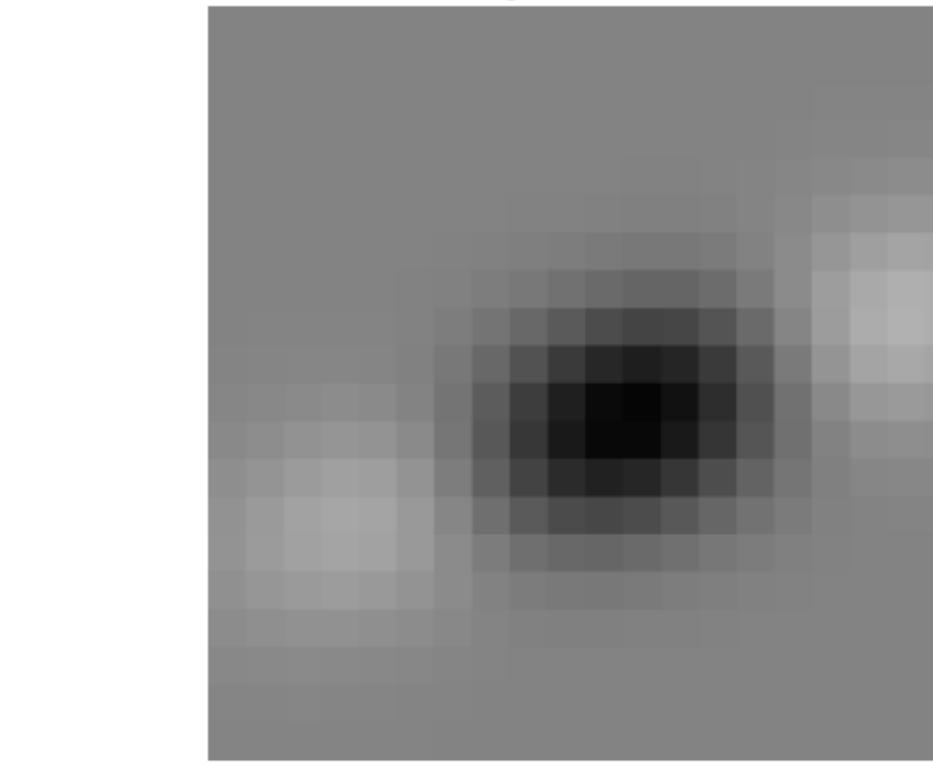
**Circular DoG**  
 $R^2=0.62$  | AICc=-1061.5



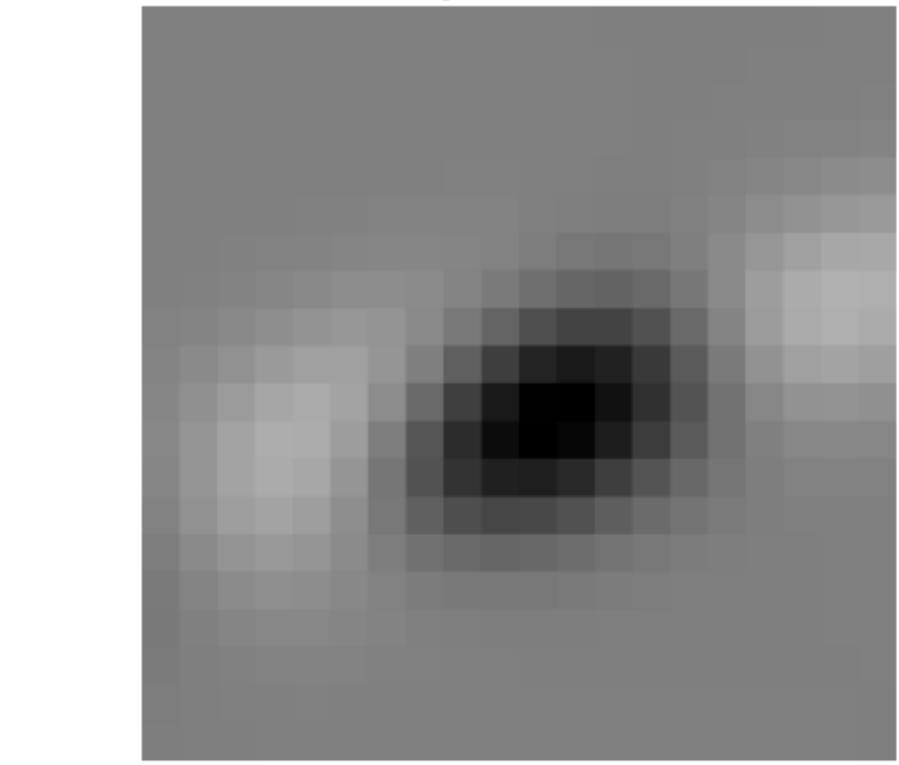
**Elliptical DoG**  
 $R^2=0.64$  | AICc=-1079.8



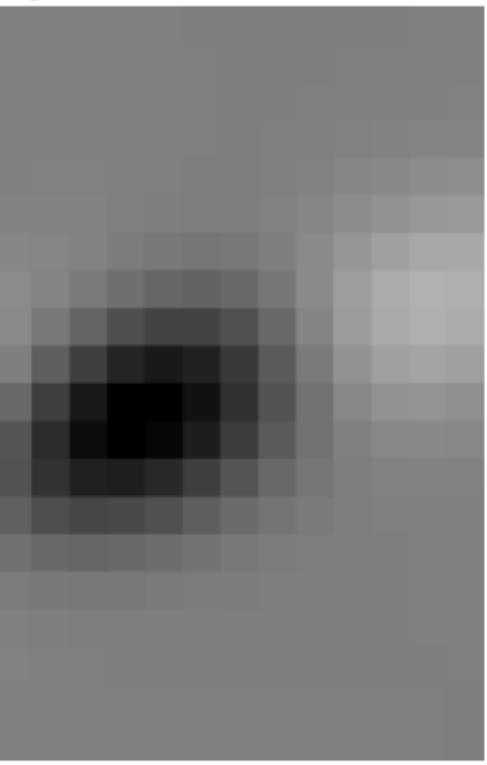
**Noncon DoG**  
 $R^2=0.68$  | AICc=-1117.2



**Custom Gabor**  
 $R^2=0.69$  | AICc=-1133.0

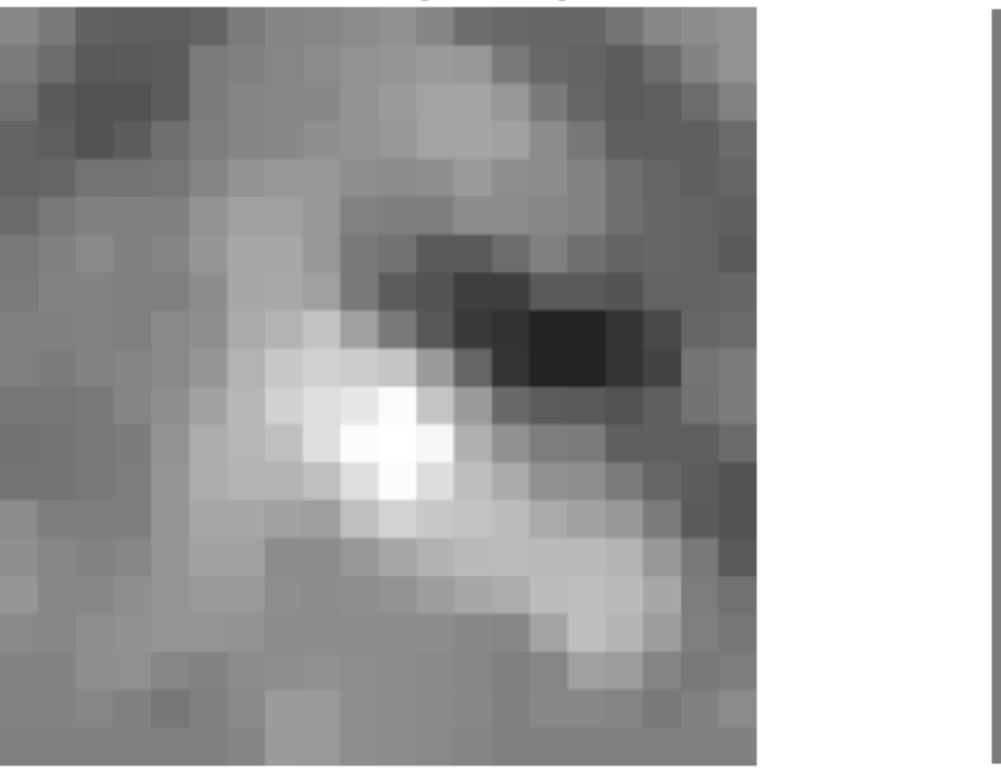


**DoG x cos**  
 $R^2=0.73$  | AICc=-1181.5

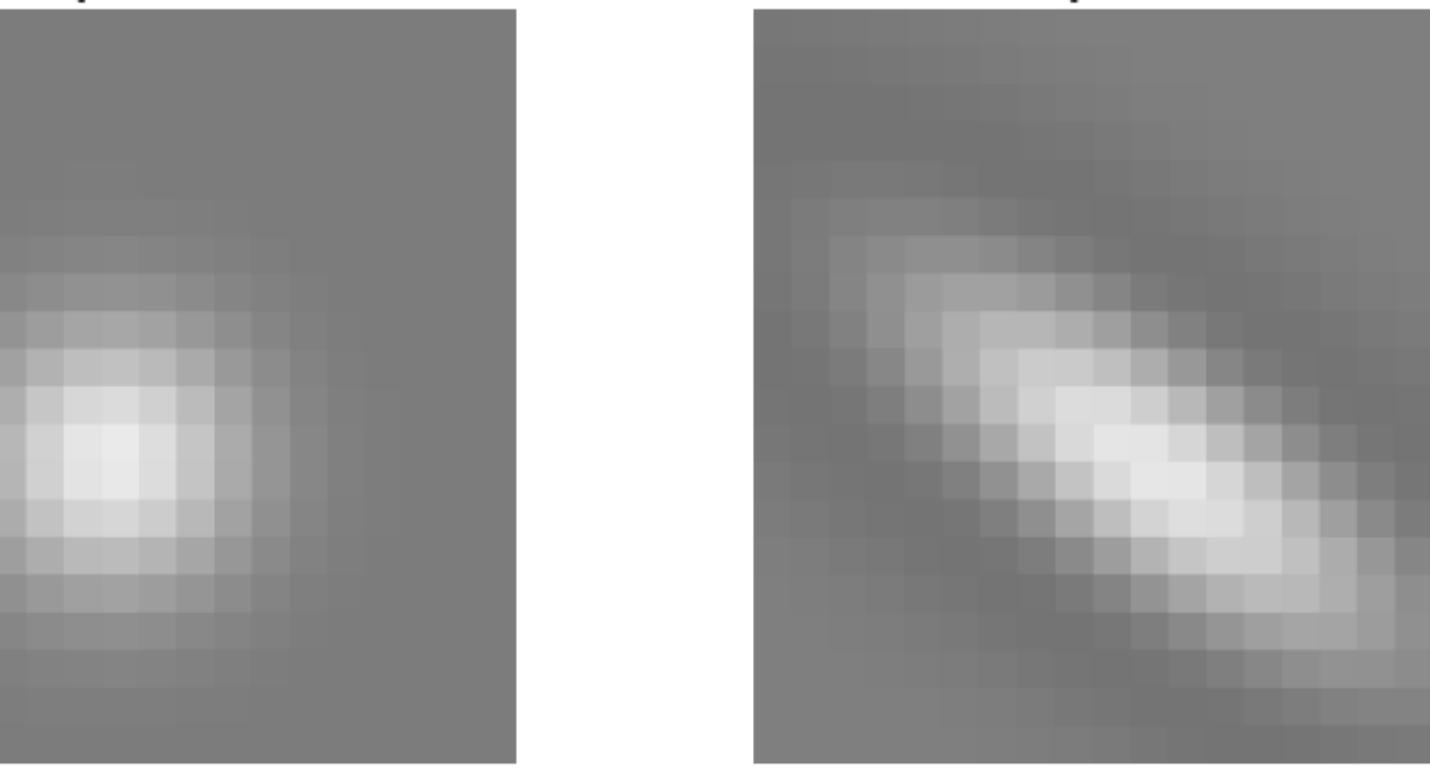


# RF Model Comparison - Cell 647

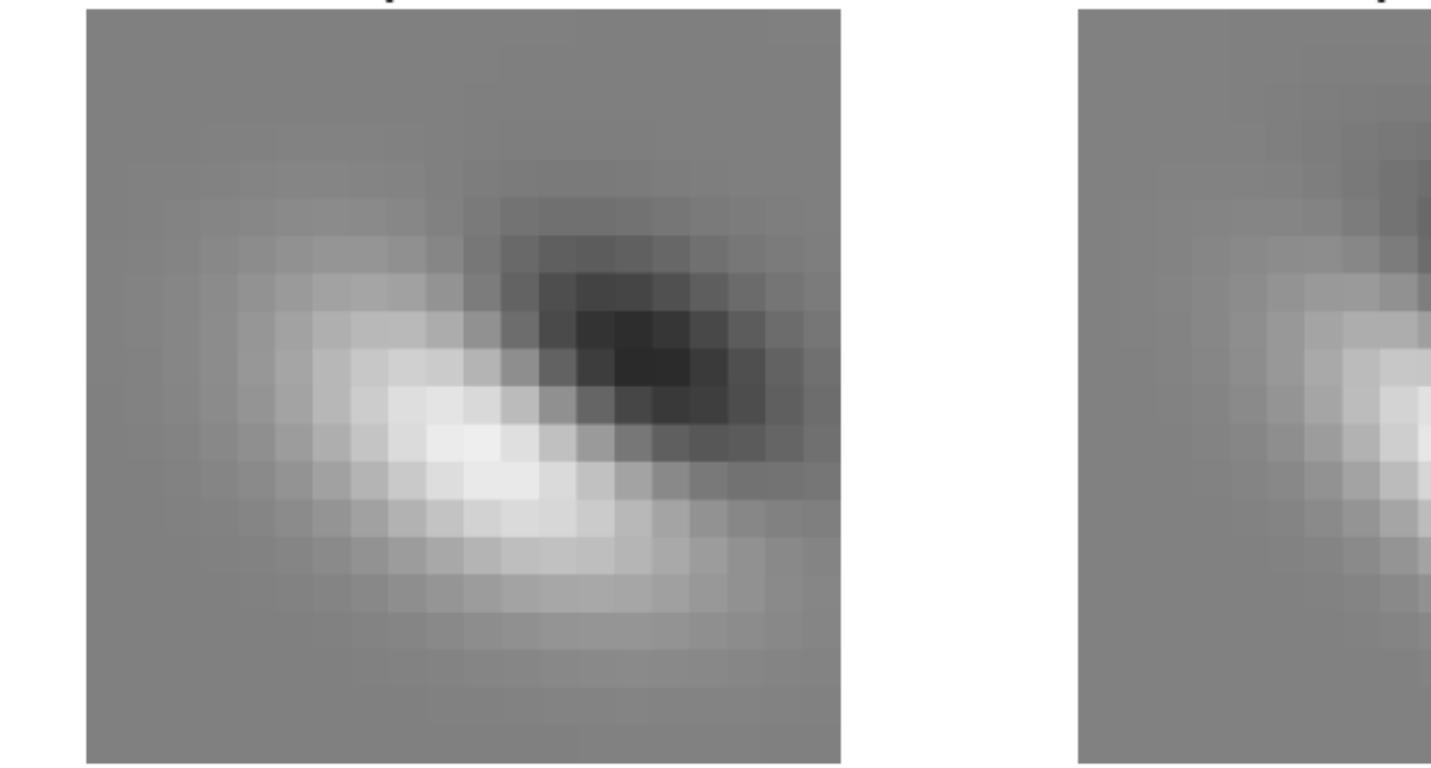
**STA**  
Cell 647 (ii=29)



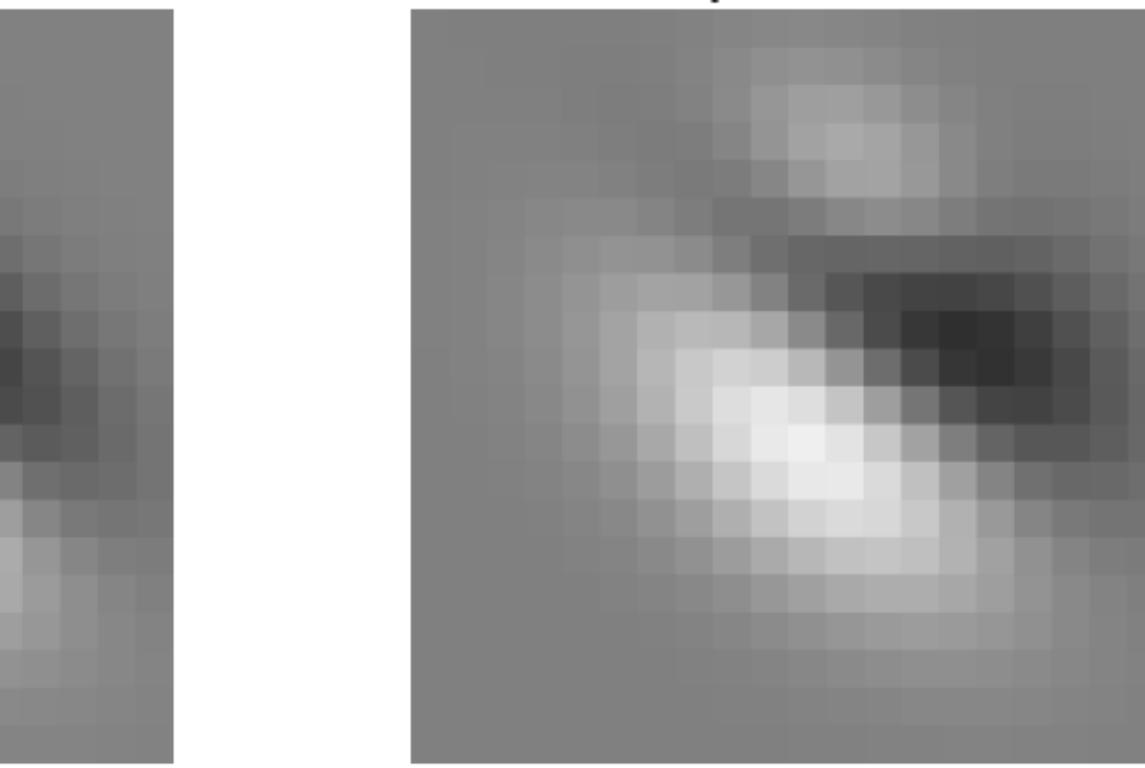
**Circular DoG**  
 $R^2=0.41$  | AICc=-865.2



**Elliptical DoG**  
 $R^2=0.55$  | AICc=-970.8



**Noncon DoG**  
 $R^2=0.74$  | AICc=-1190.9



**Custom Gabor**  
 $R^2=0.68$  | AICc=-1103.8

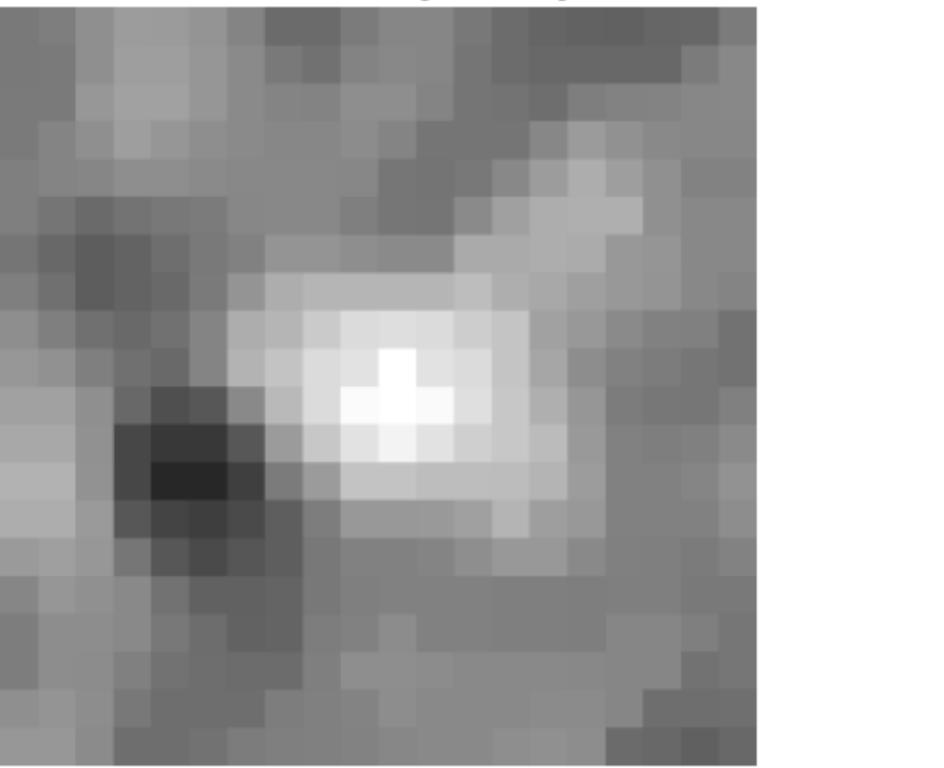


**DoG x cos**  
 $R^2=0.78$  | AICc=-1245.5

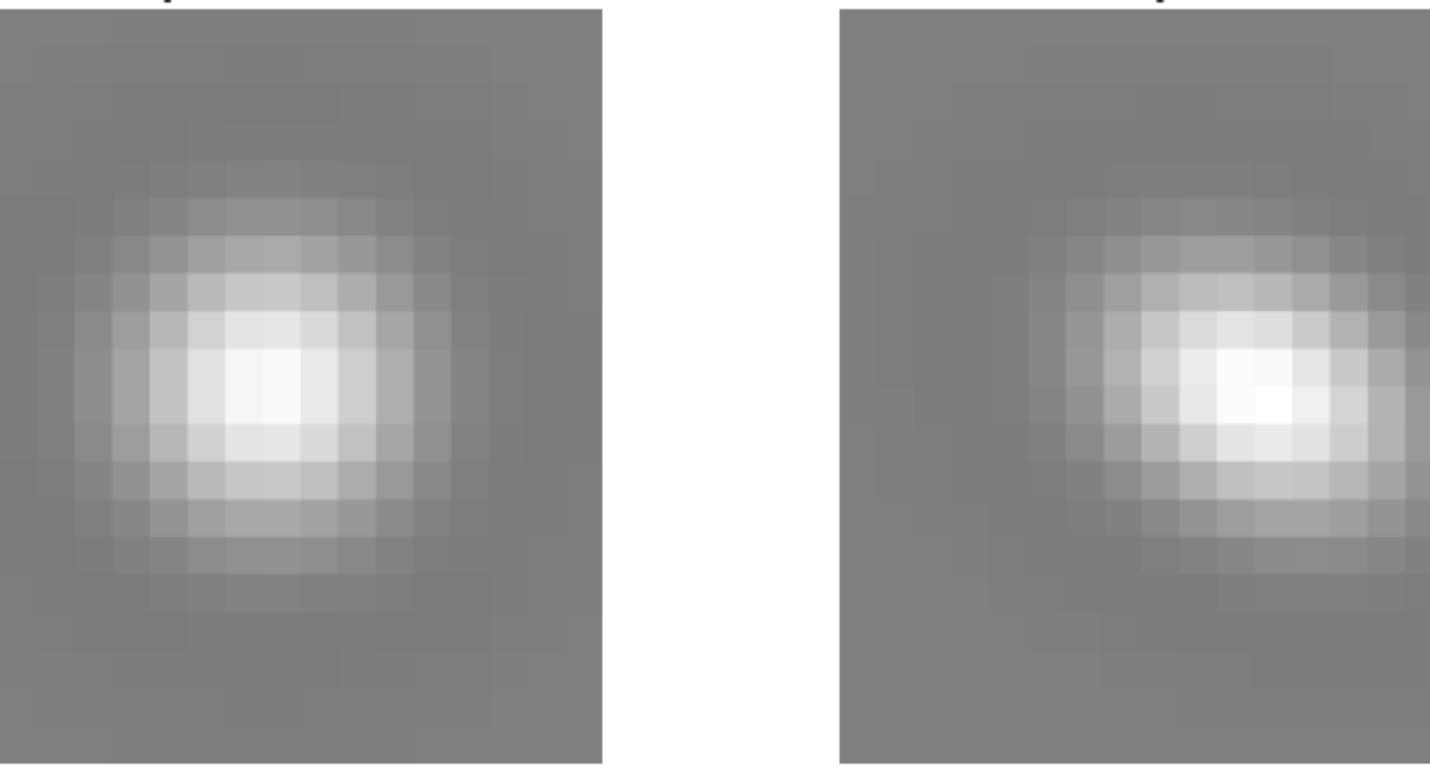


# RF Model Comparison - Cell 648

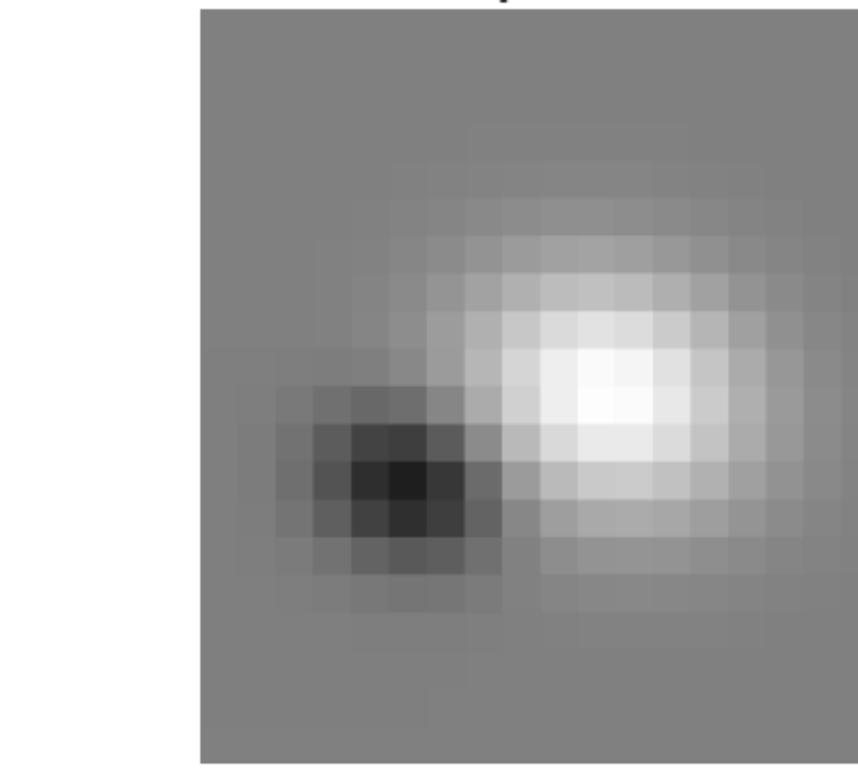
**STA**  
Cell 648 (ii=30)



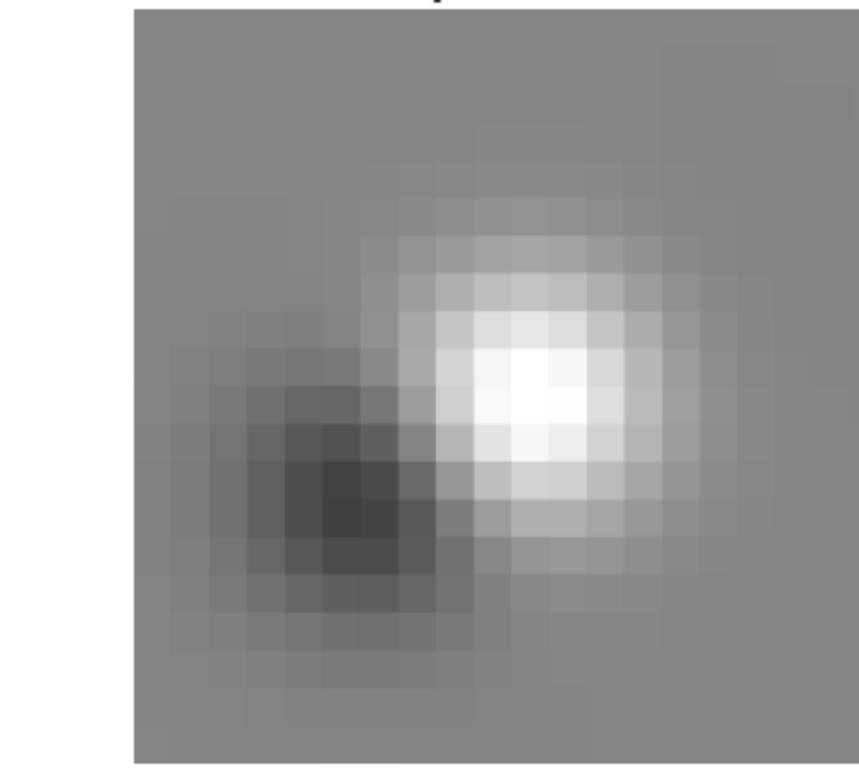
**Circular DoG**  
 $R^2=0.58$  | AICc=-927.4



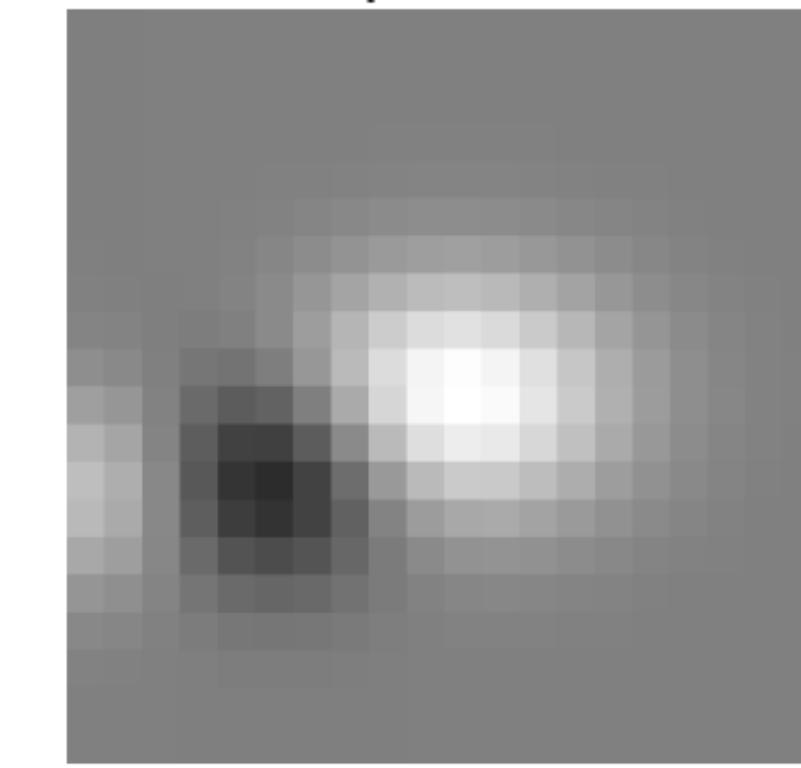
**Elliptical DoG**  
 $R^2=0.59$  | AICc=-936.9



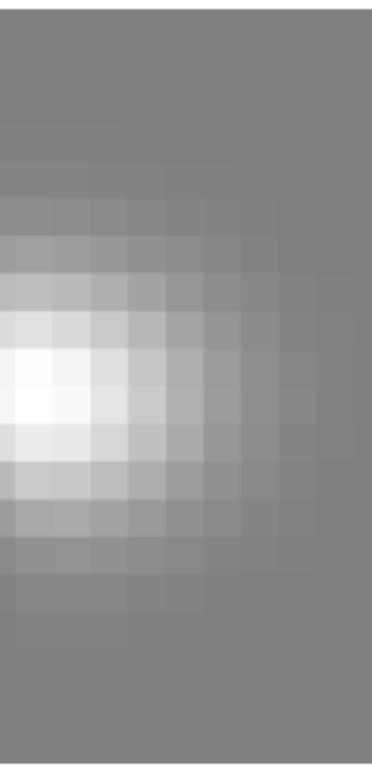
**Noncon DoG**  
 $R^2=0.74$  | AICc=-1114.7



**Custom Gabor**  
 $R^2=0.72$  | AICc=-1082.9

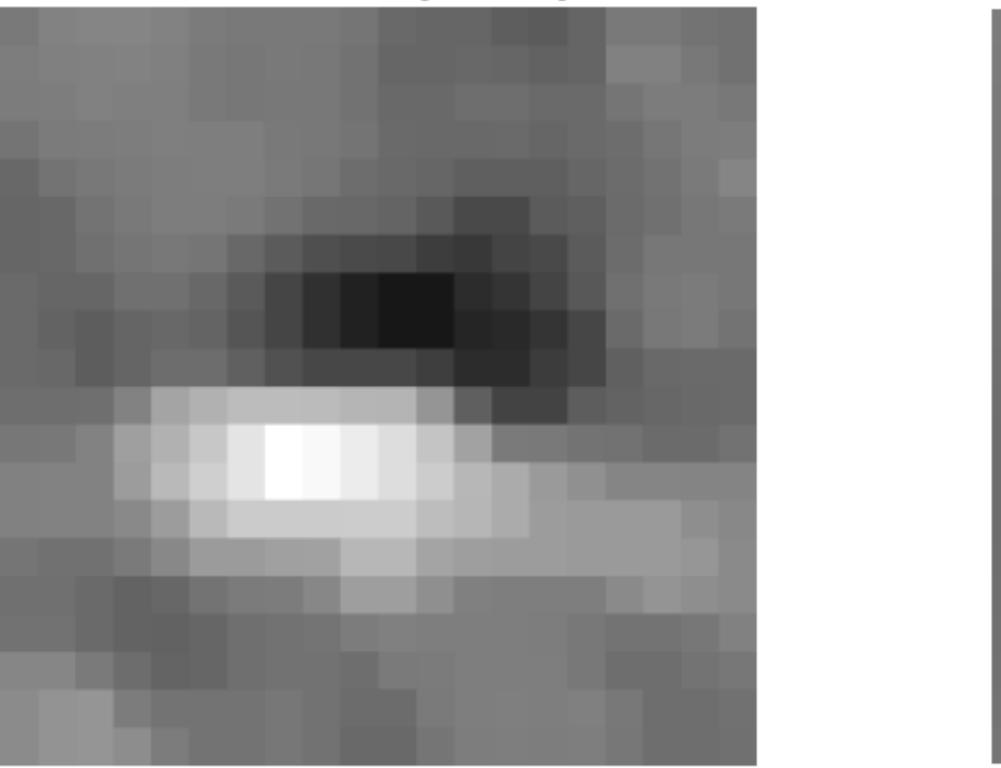


**DoG x cos**  
 $R^2=0.81$  | AICc=-1233.5

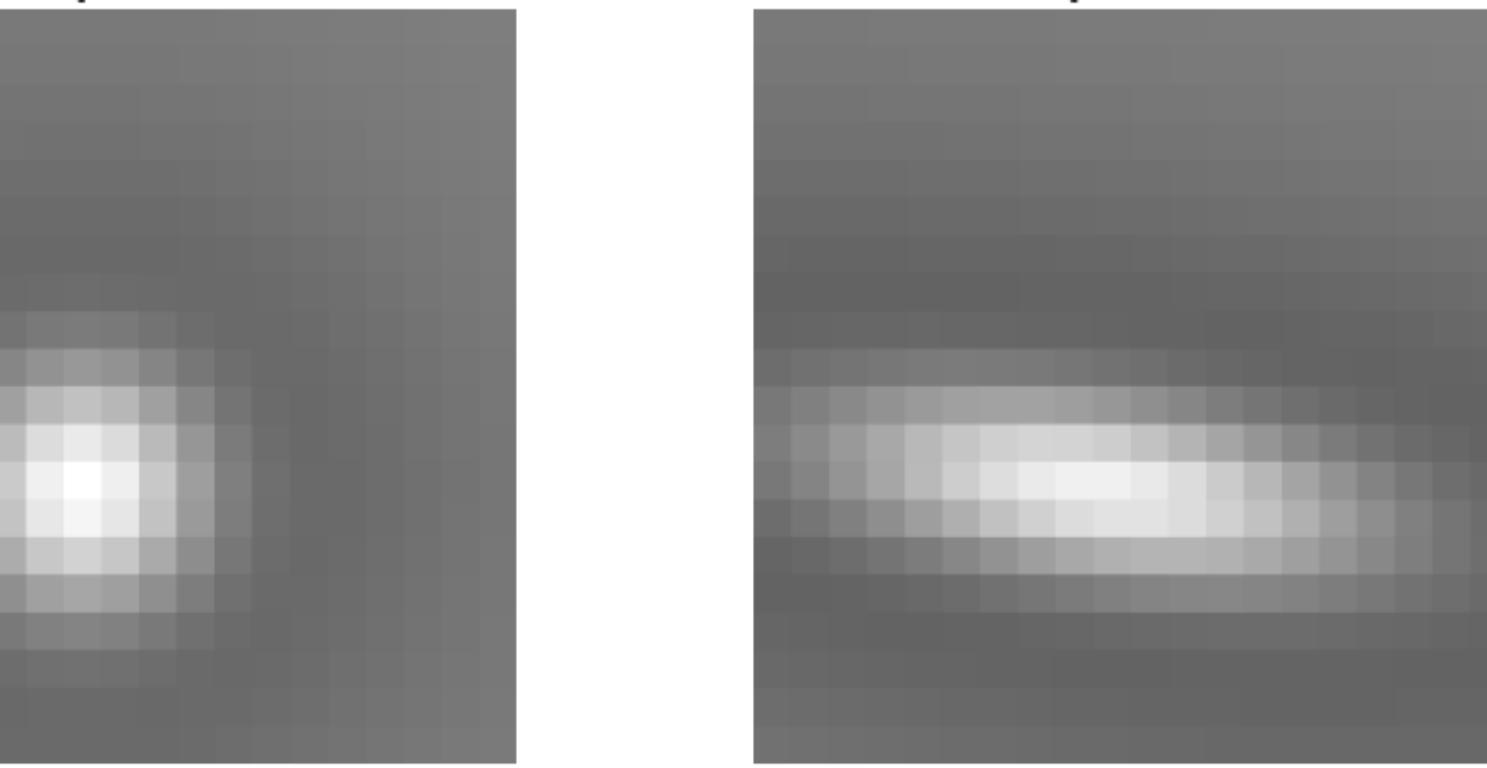


# RF Model Comparison - Cell 649

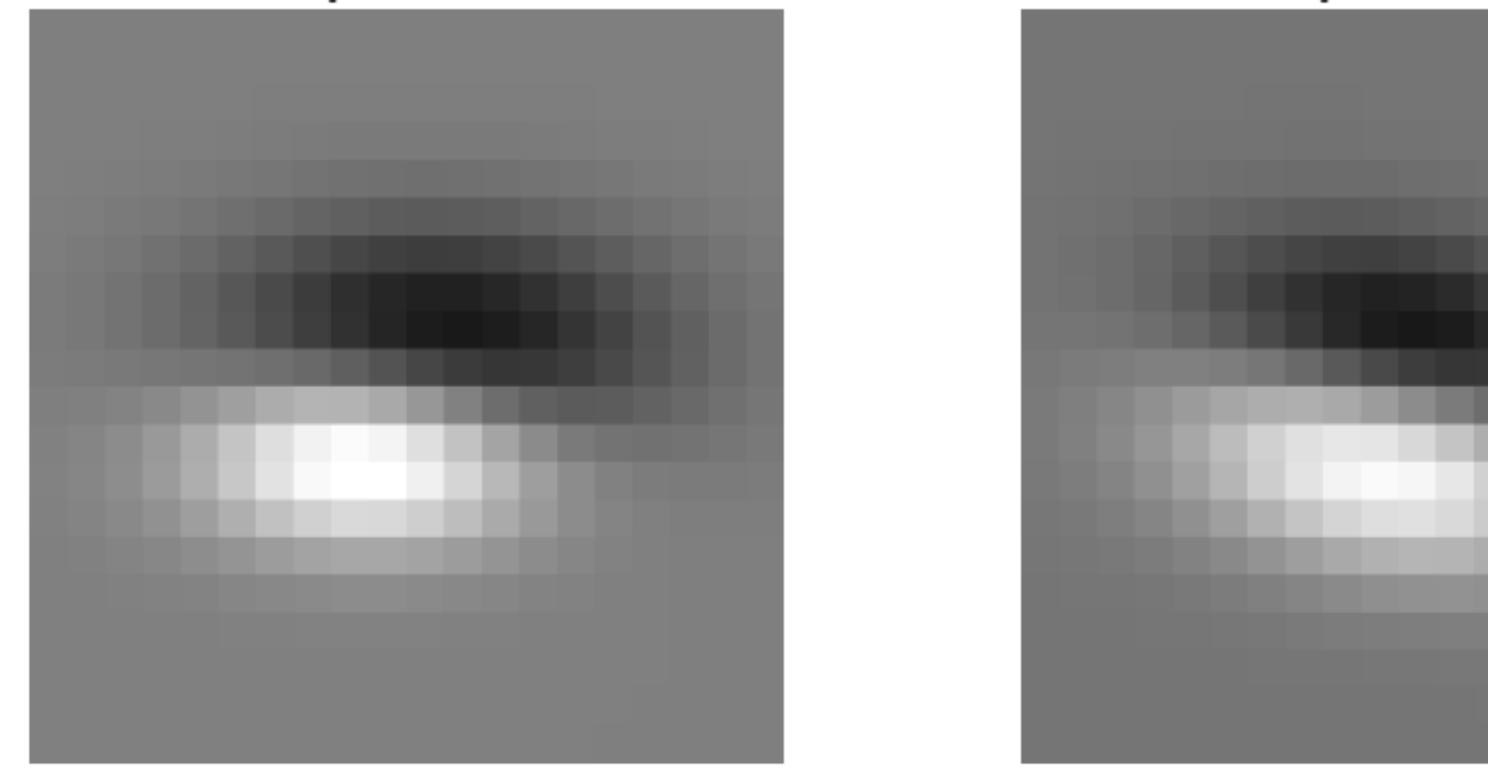
**STA**  
Cell 649 (ii=31)



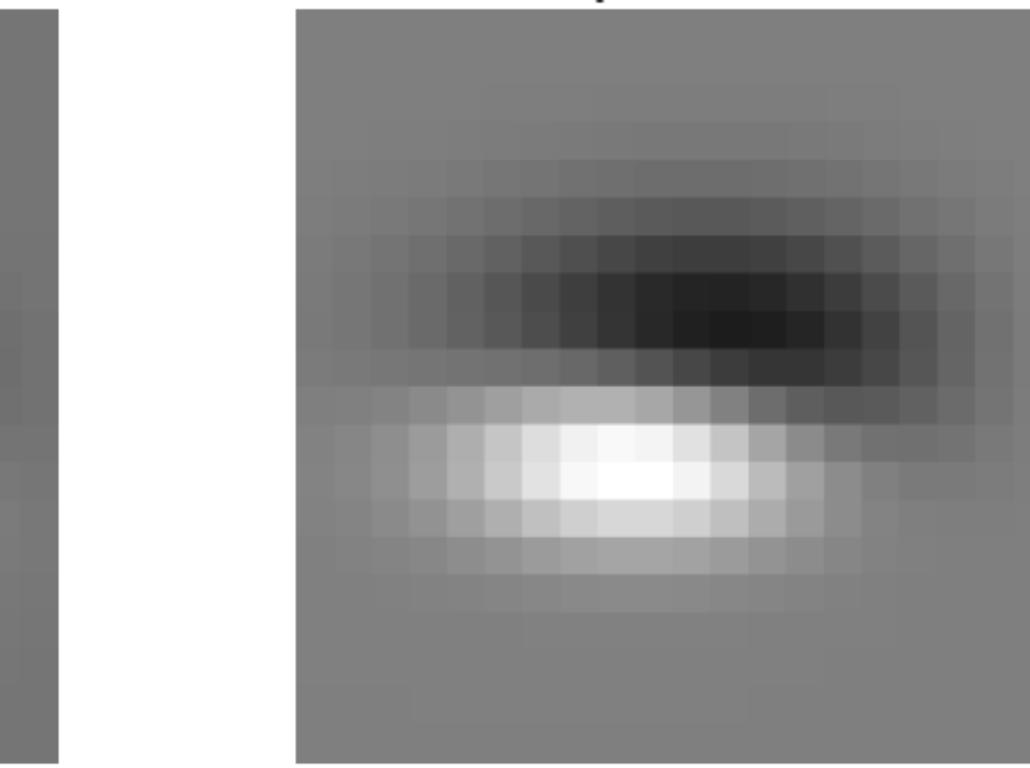
**Circular DoG**  
 $R^2=0.47$  | AICc=-506.4



**Elliptical DoG**  
 $R^2=0.64$  | AICc=-662.0



**Noncon DoG**  
 $R^2=0.86$  | AICc=-1021.8



**Custom Gabor**  
 $R^2=0.85$  | AICc=-1003.9

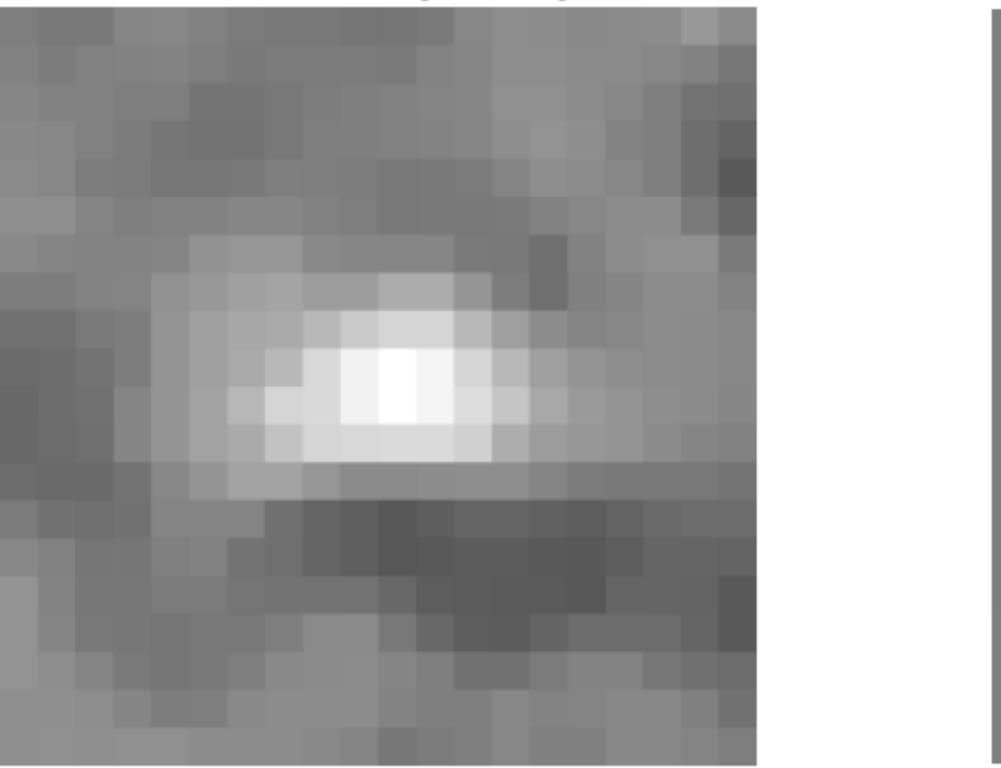


**DoG x cos**  
 $R^2=0.86$  | AICc=-1024.8

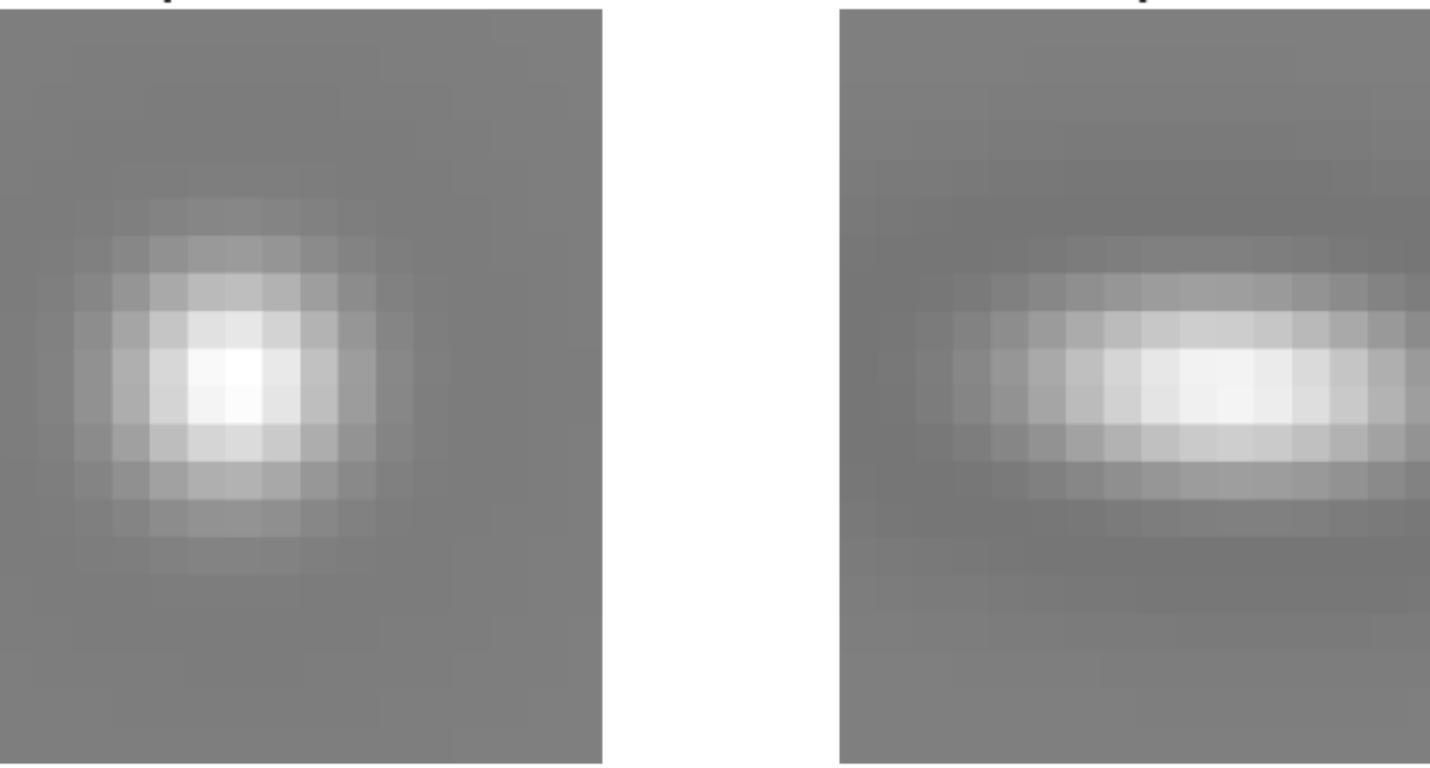


# RF Model Comparison - Cell 664

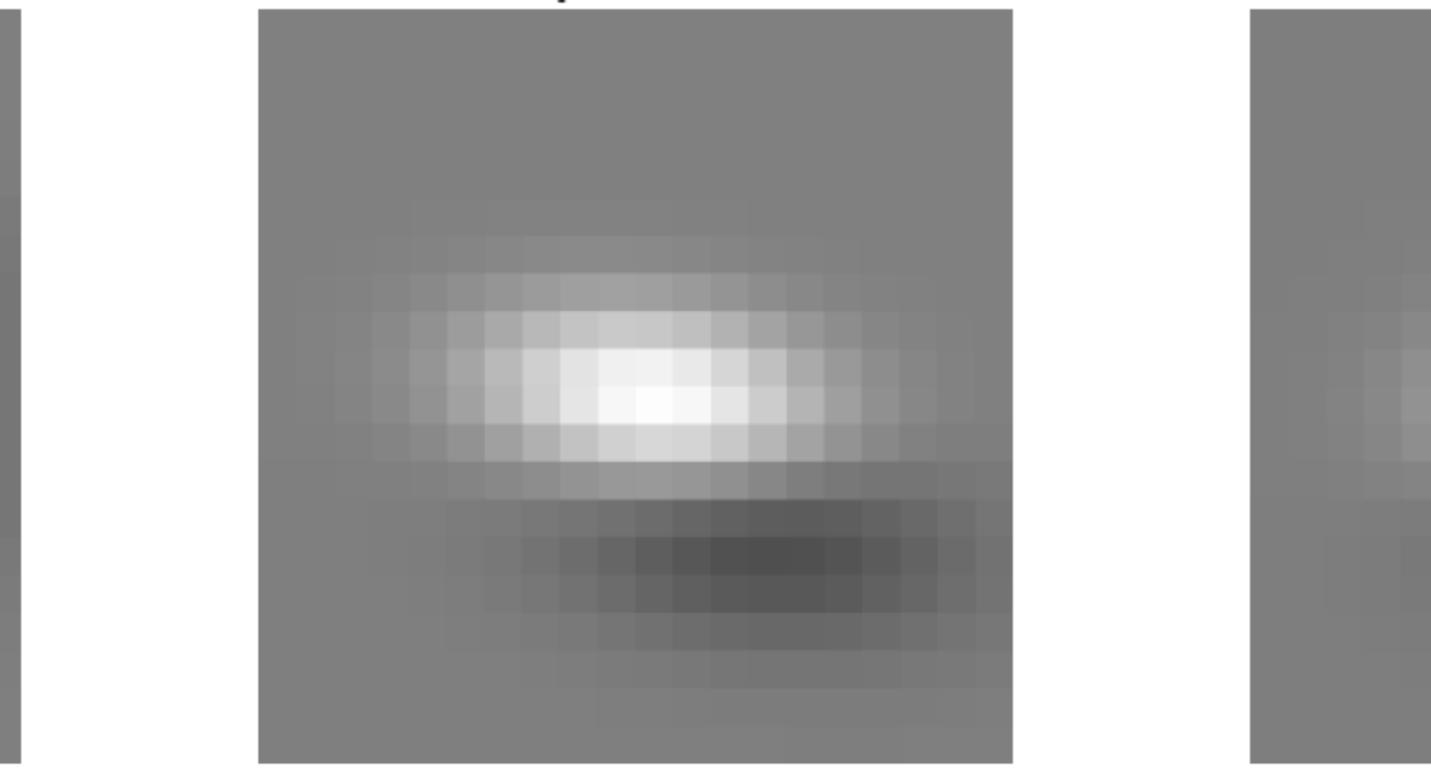
**STA**  
Cell 664 (ii=32)



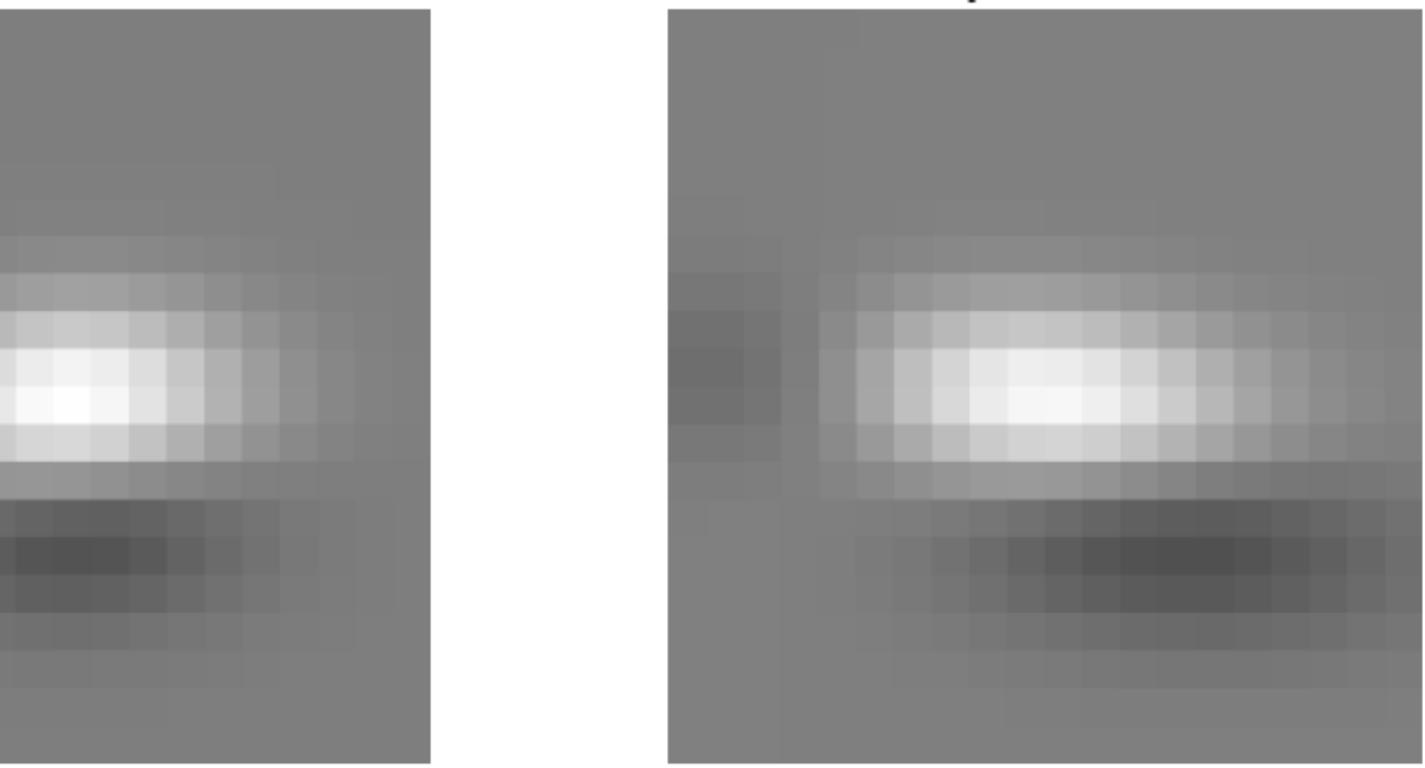
**Circular DoG**  
 $R^2=0.62$  | AICc=-922.9



**Elliptical DoG**  
 $R^2=0.76$  | AICc=-1094.4



**Noncon DoG**  
 $R^2=0.86$  | AICc=-1299.5



**Custom Gabor**  
 $R^2=0.81$  | AICc=-1195.9

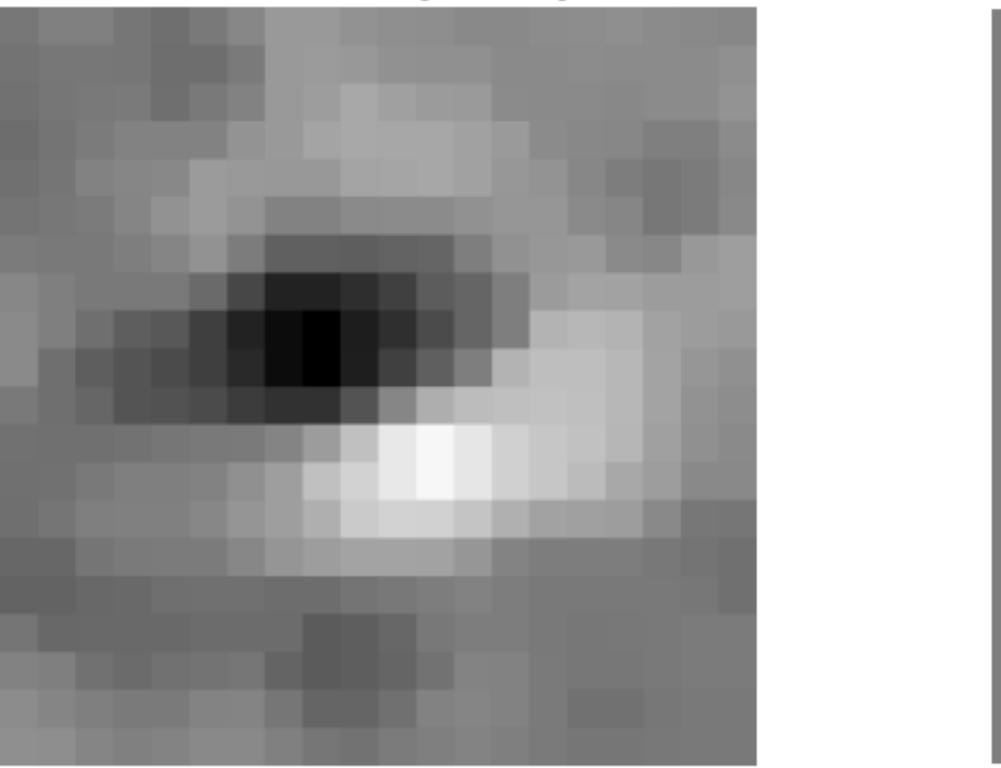


**DoG x cos**  
 $R^2=0.87$  | AICc=-1329.0

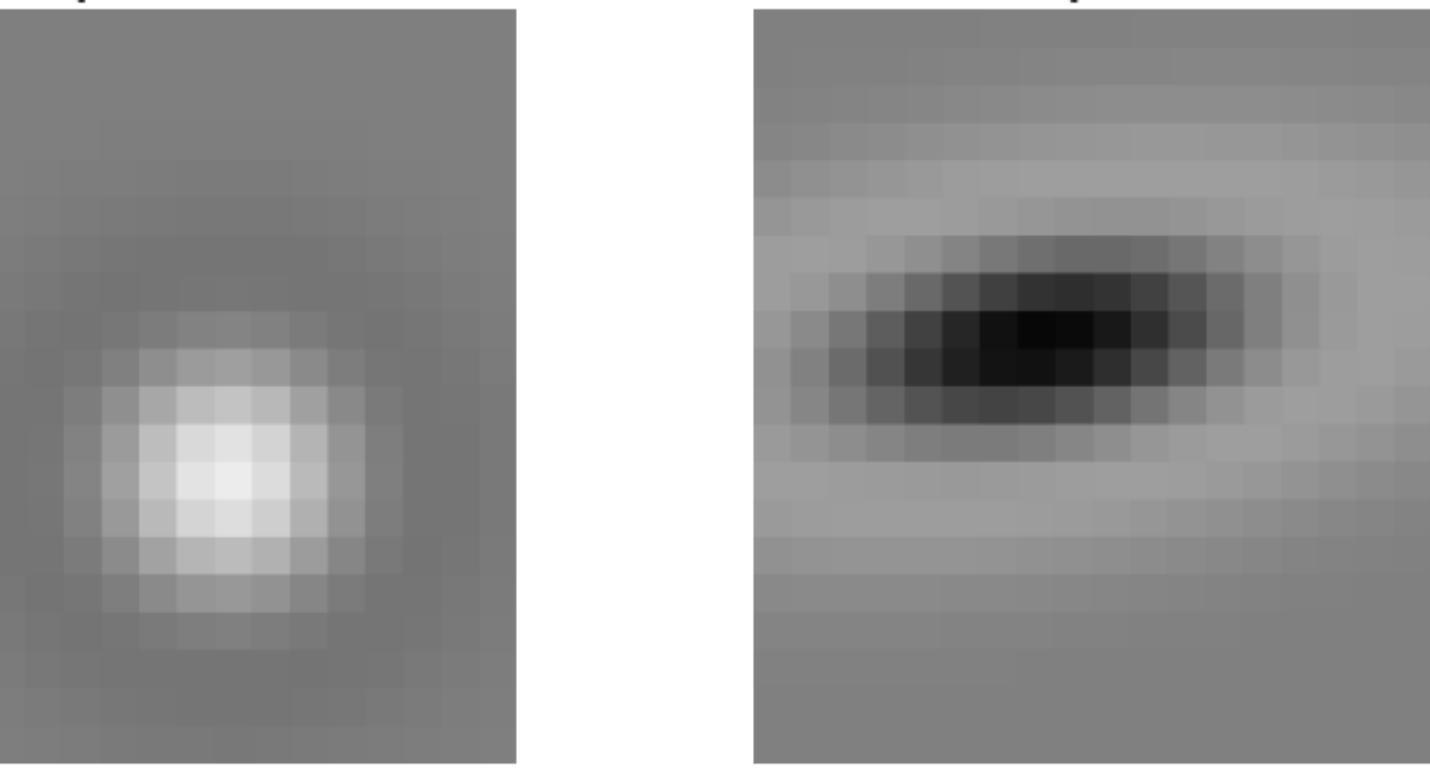


# RF Model Comparison - Cell 778

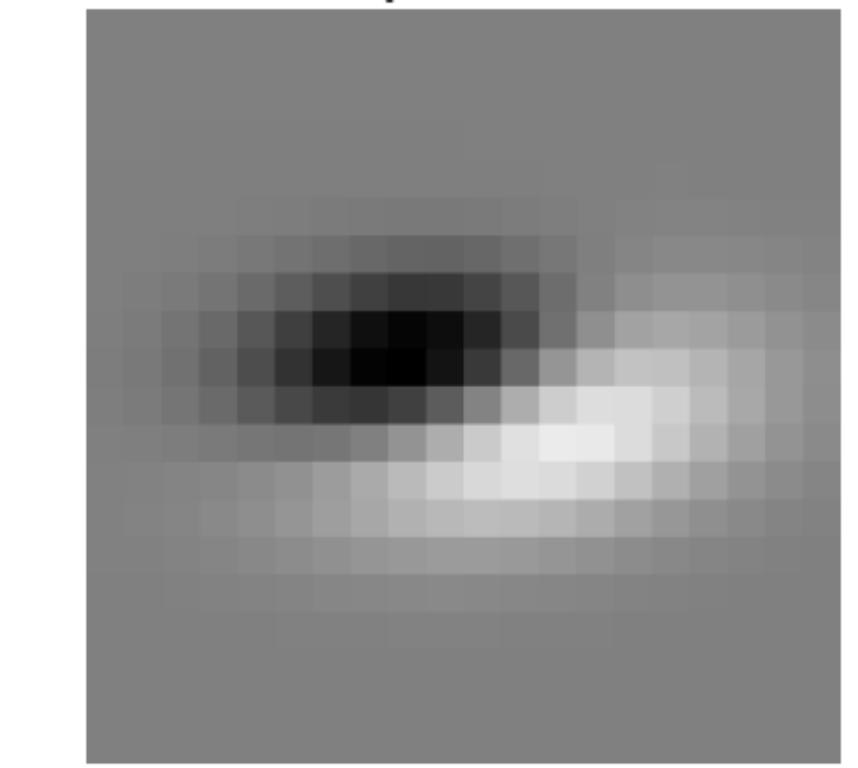
**STA**  
Cell 778 (ii=33)



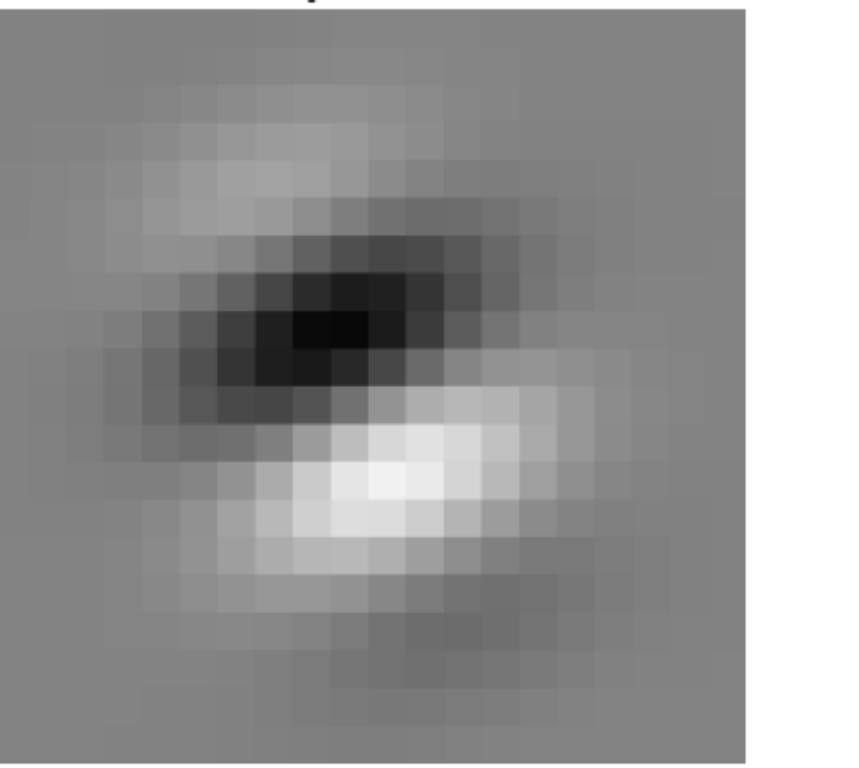
**Circular DoG**  
 $R^2=0.29$  | AICc=-499.2



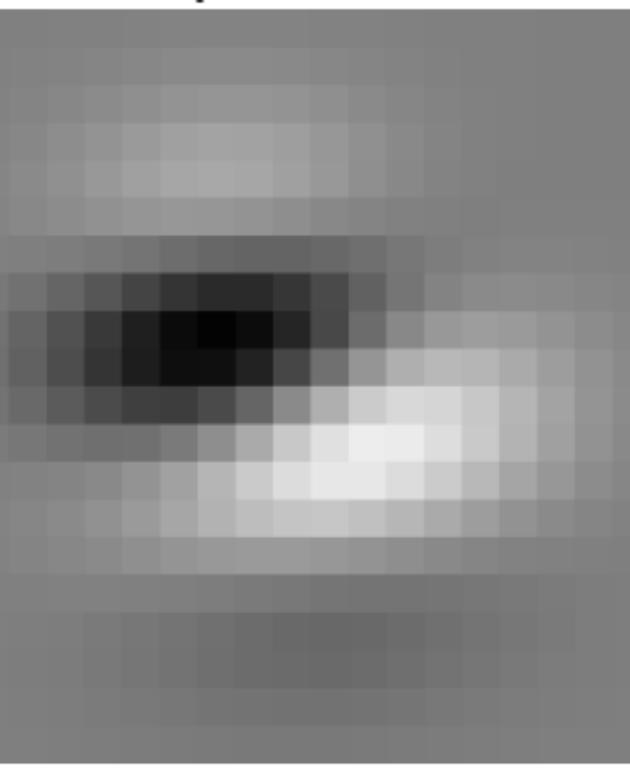
**Elliptical DoG**  
 $R^2=0.59$  | AICc=-713.2



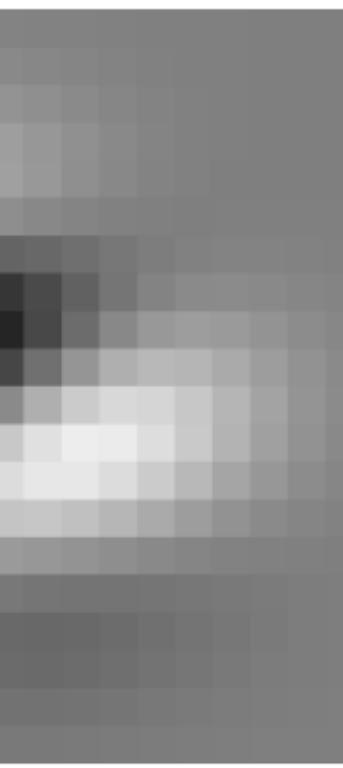
**Noncon DoG**  
 $R^2=0.80$  | AICc=-1006.0



**Custom Gabor**  
 $R^2=0.70$  | AICc=-838.0

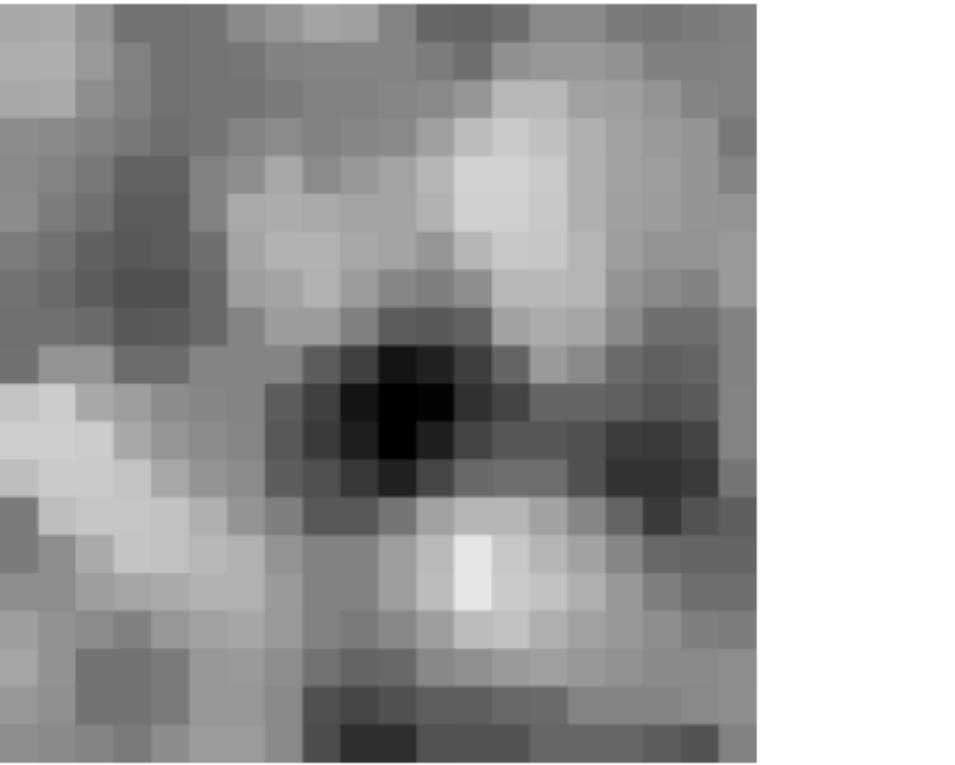


**DoG x cos**  
 $R^2=0.87$  | AICc=-1165.9

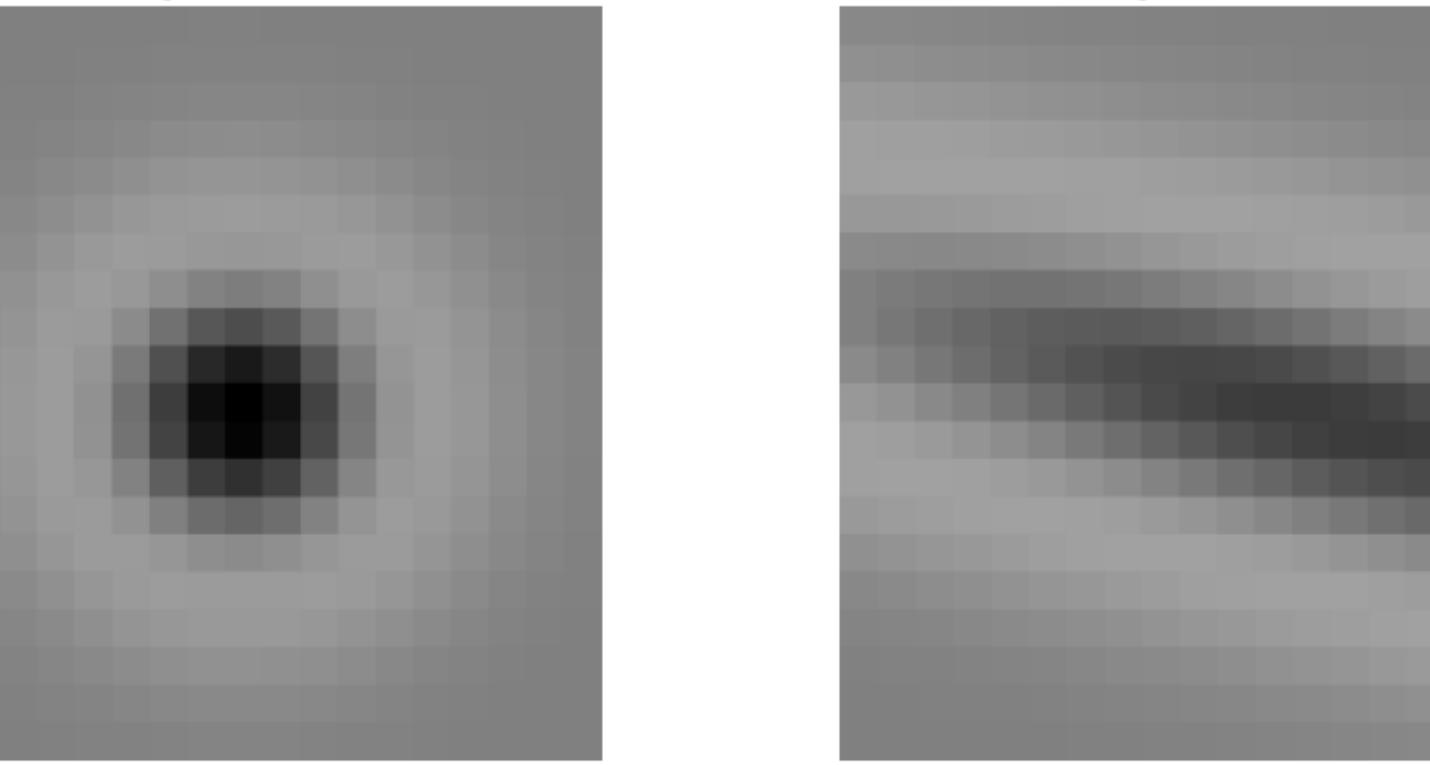


# RF Model Comparison - Cell 793

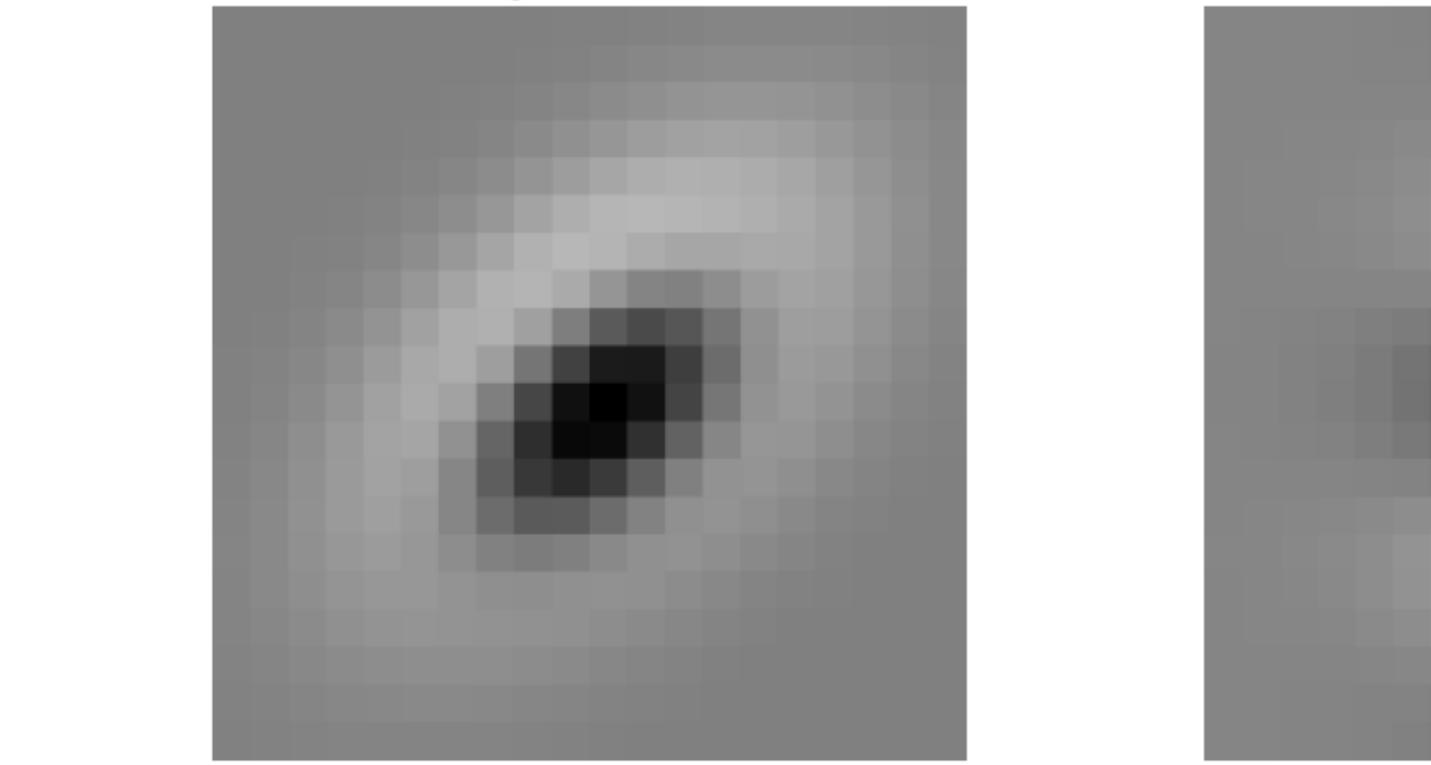
**STA**  
Cell 793 (ii=34)



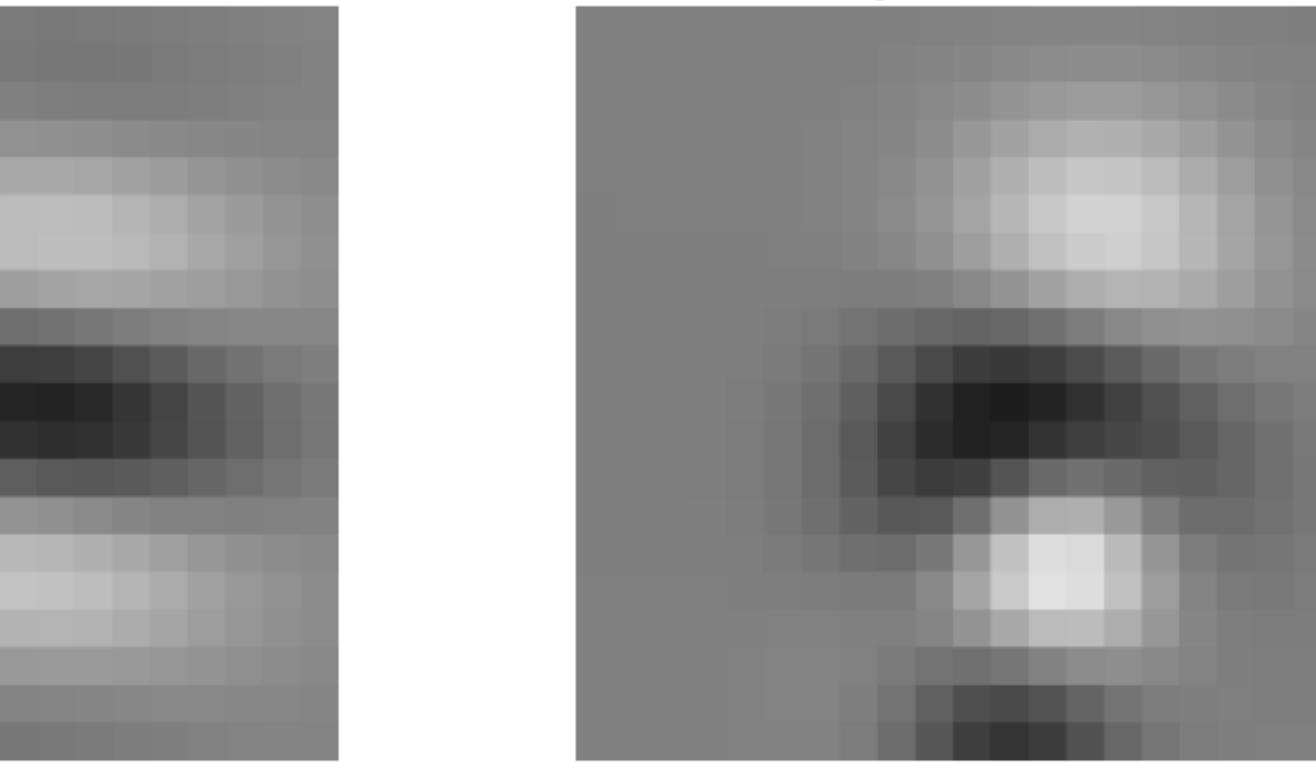
**Circular DoG**  
 $R^2=0.33$  | AICc=-999.6



**Elliptical DoG**  
 $R^2=0.41$  | AICc=-1045.4



**Noncon DoG**  
 $R^2=0.43$  | AICc=-1059.5



**Custom Gabor**

$R^2=0.45$  | AICc=-1073.4



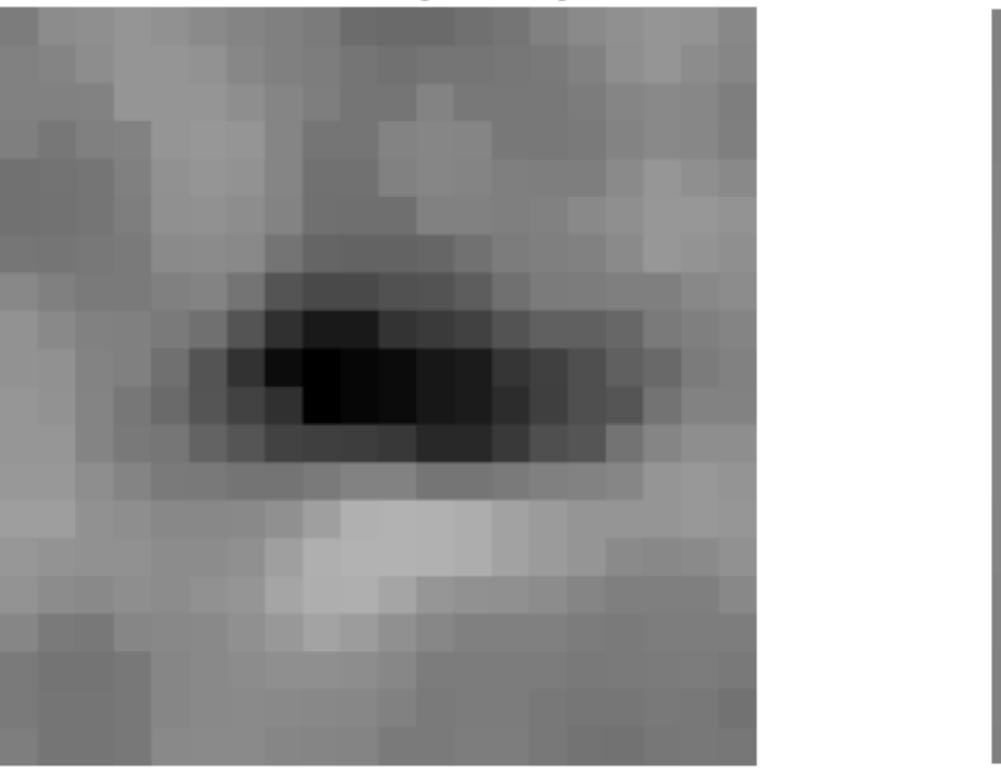
**DoG x cos**

$R^2=0.58$  | AICc=-1172.9

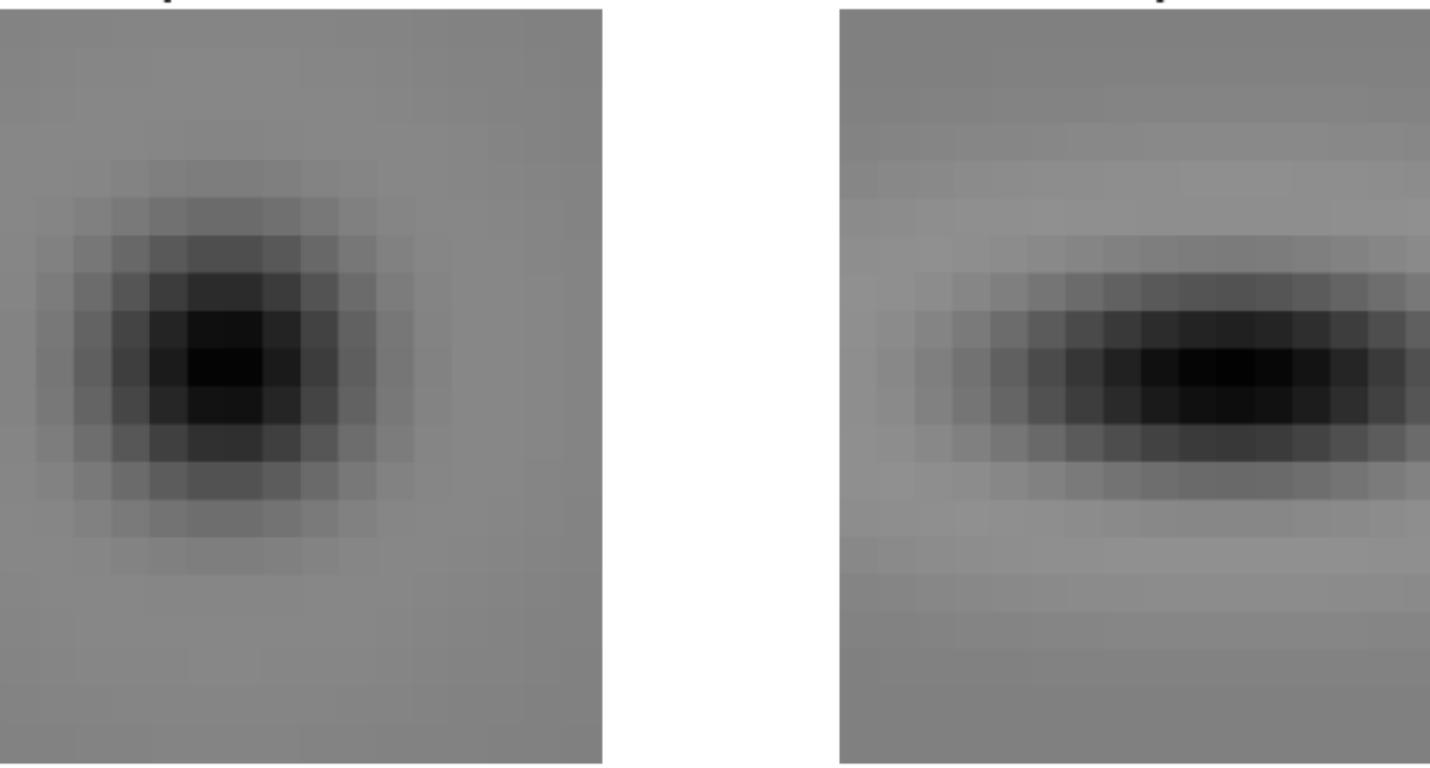


# RF Model Comparison - Cell 795

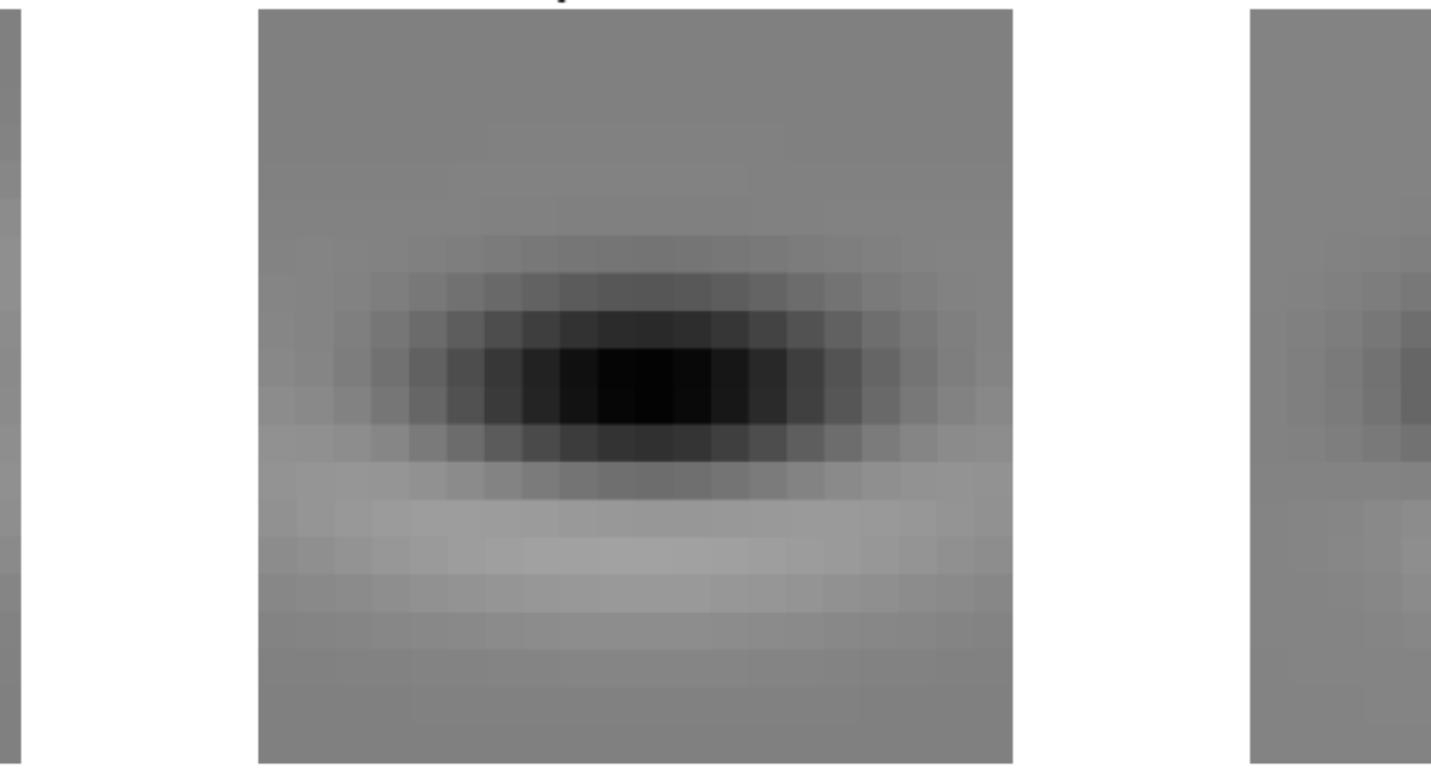
**STA**  
Cell 795 (ii=35)



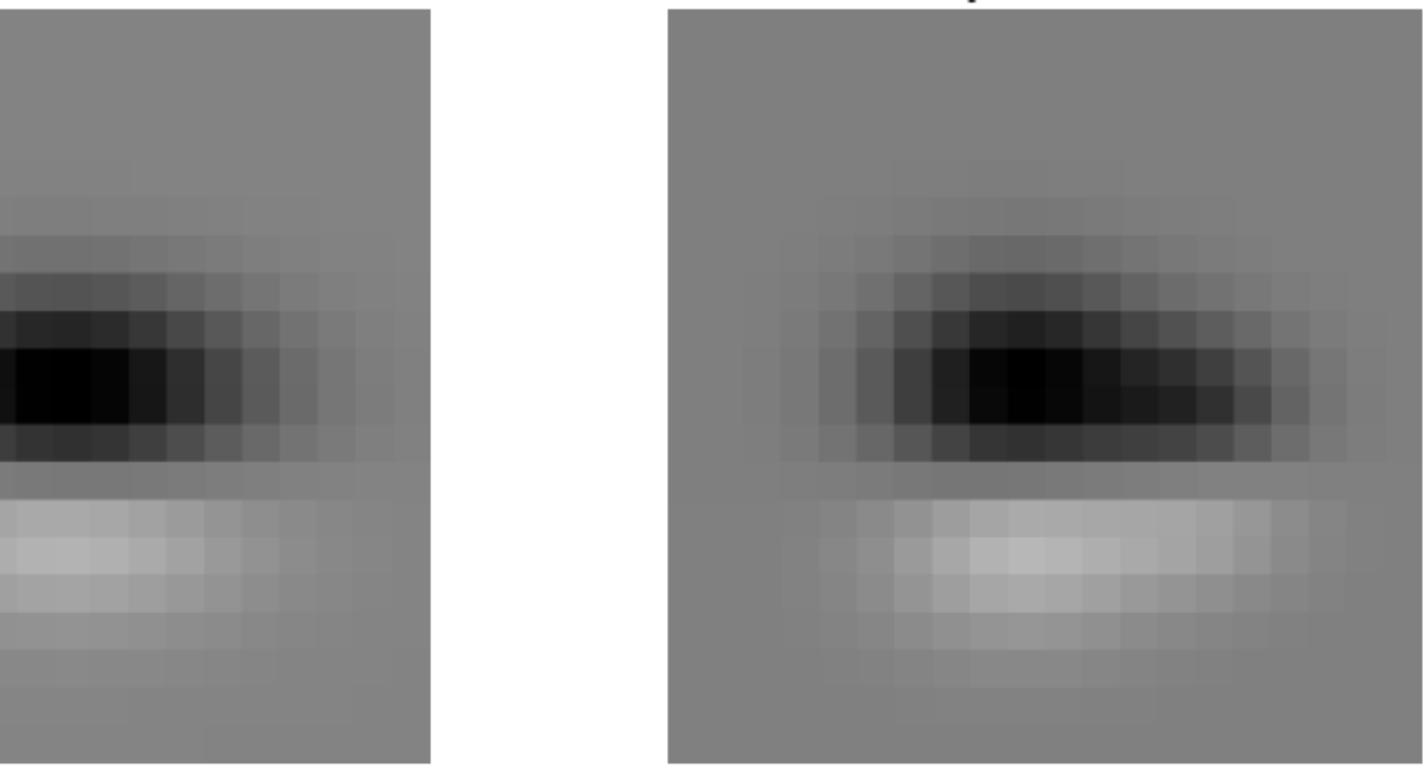
**Circular DoG**  
 $R^2=0.63$  | AICc=-682.2



**Elliptical DoG**  
 $R^2=0.82$  | AICc=-967.4



**Noncon DoG**  
 $R^2=0.87$  | AICc=-1085.3



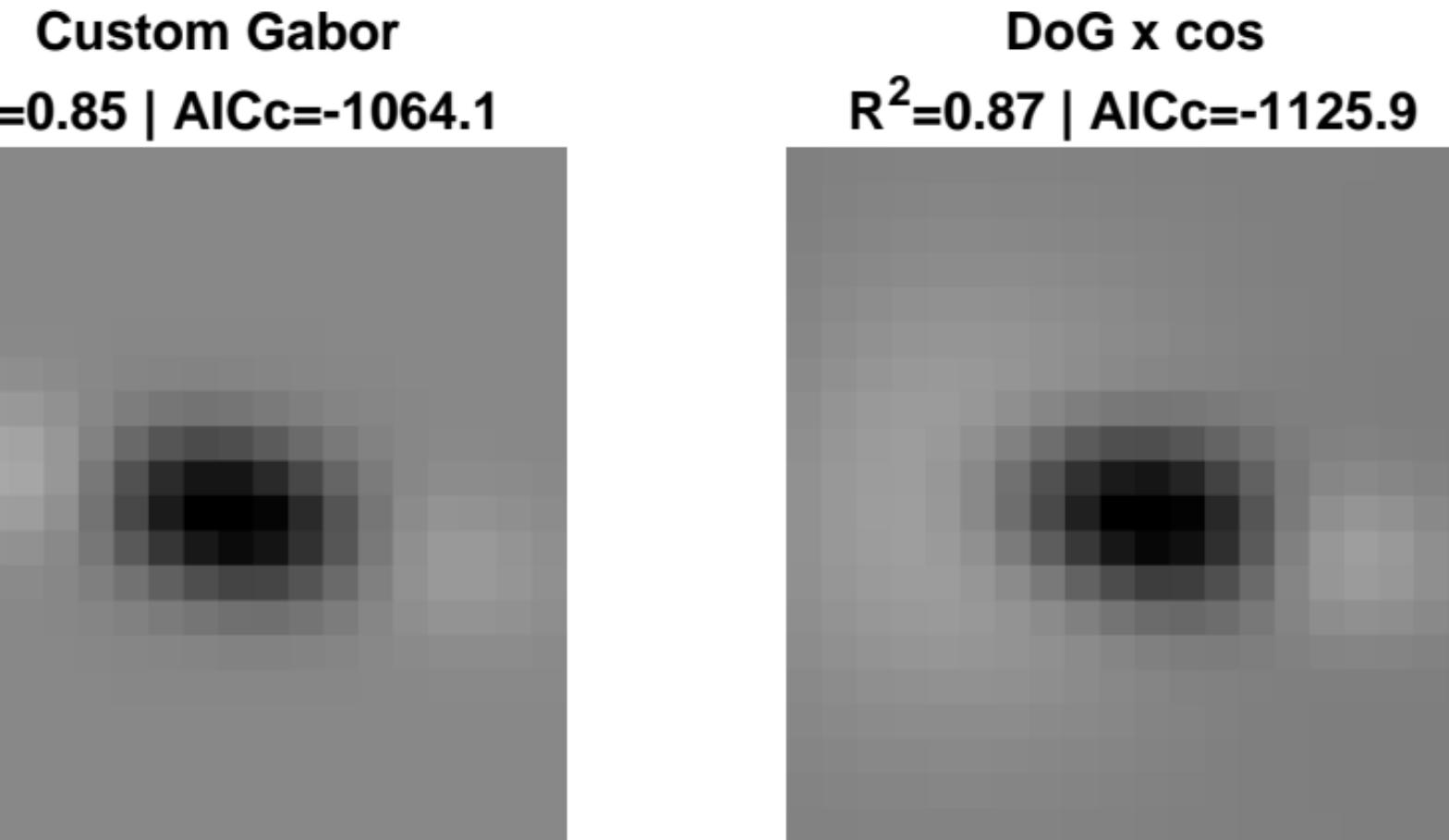
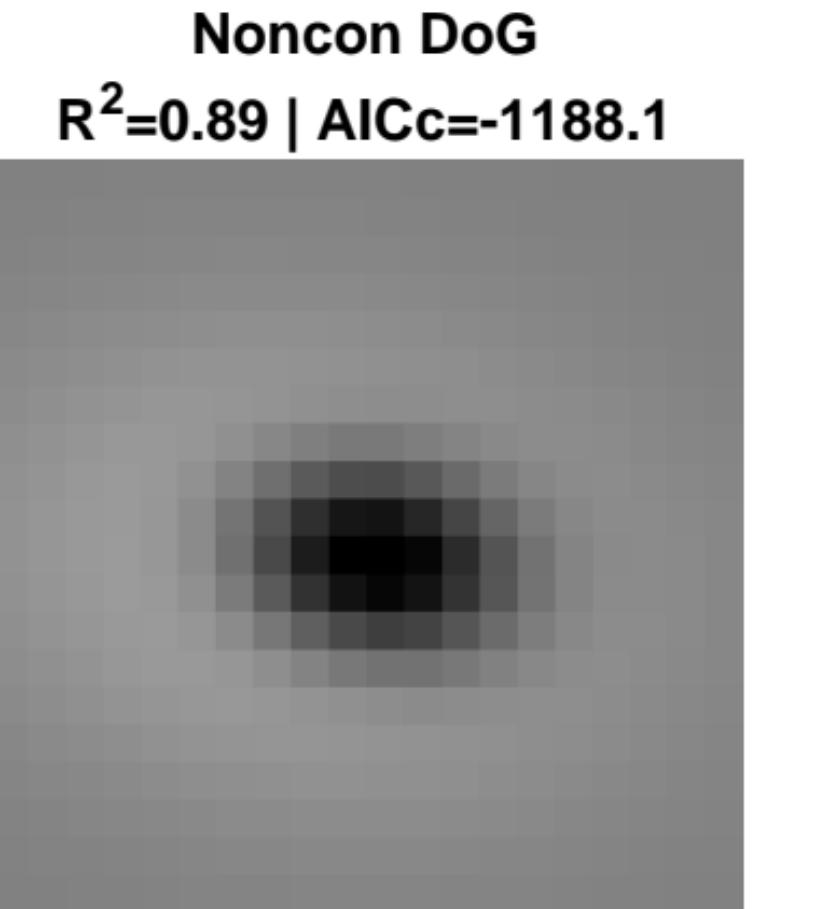
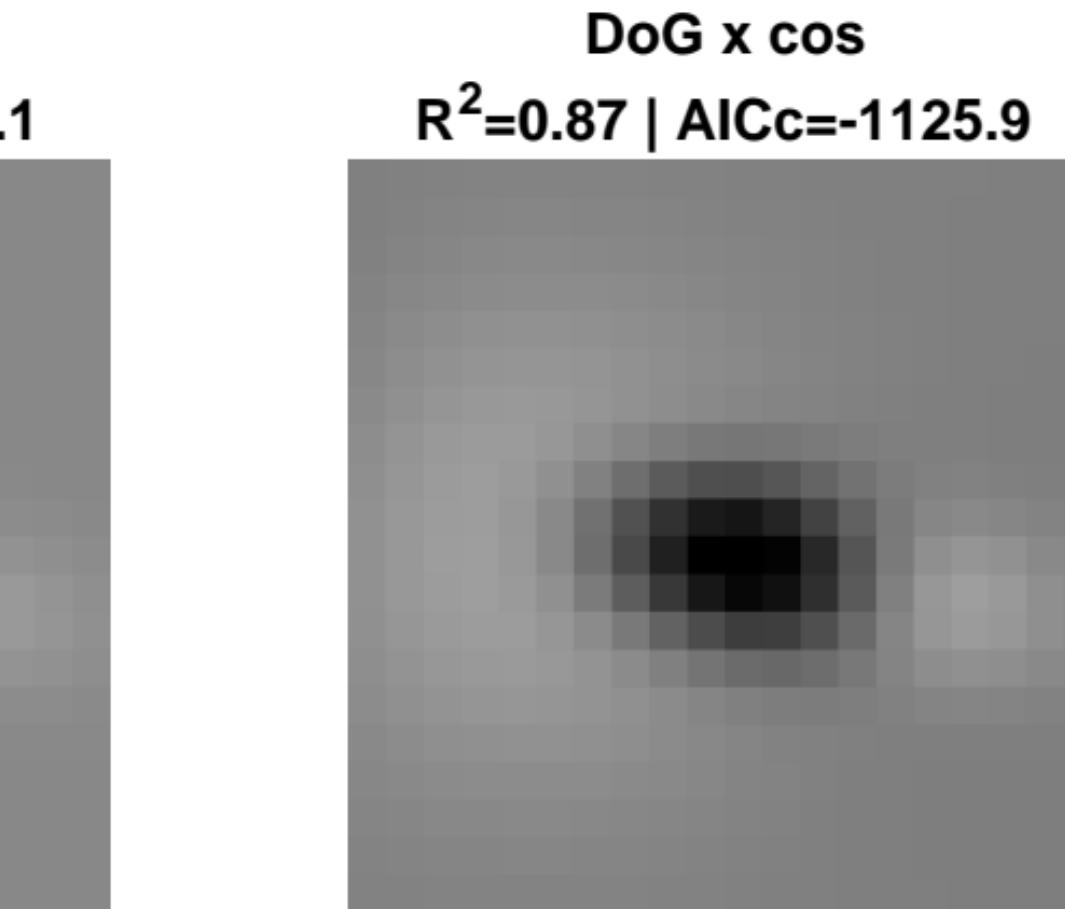
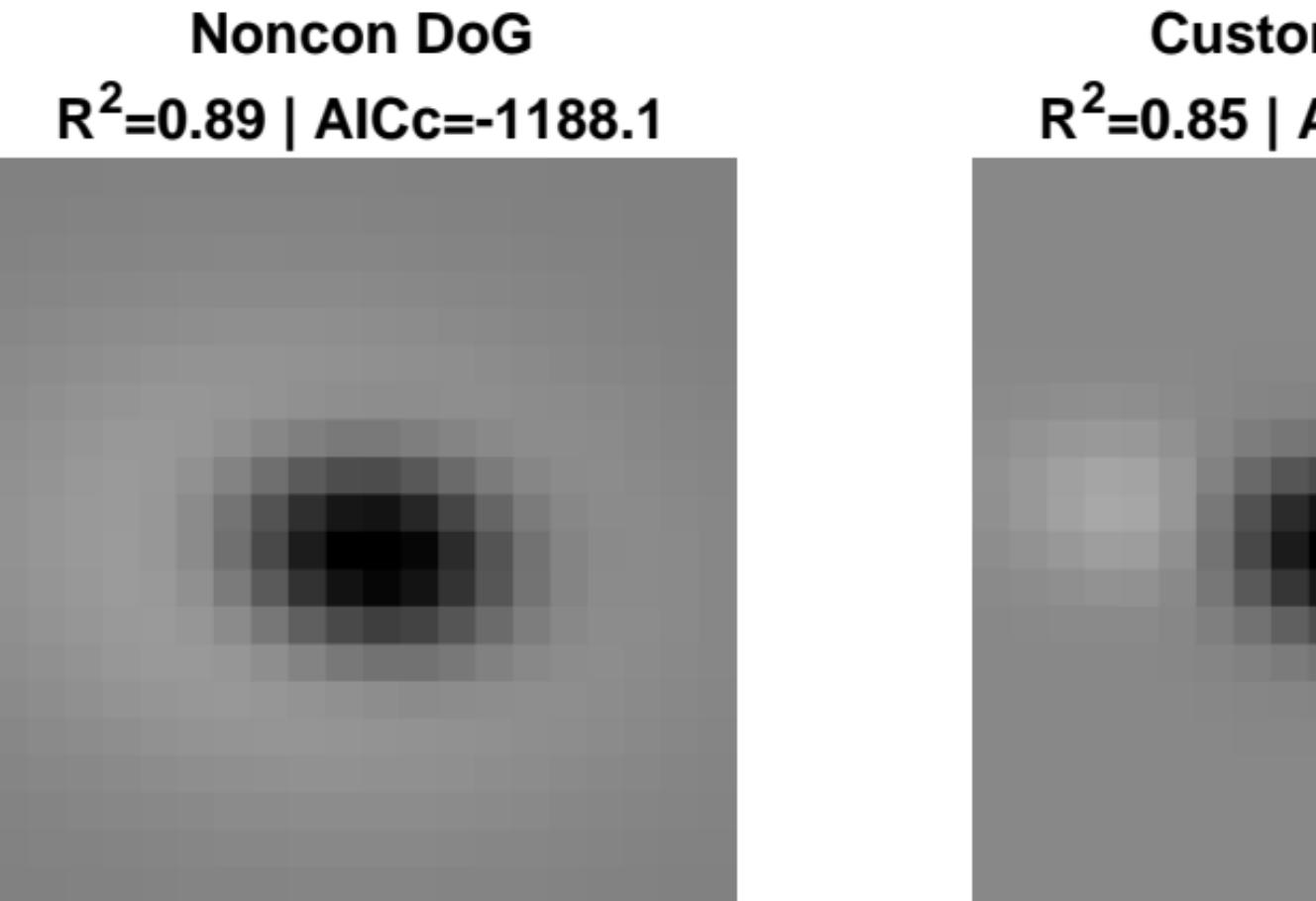
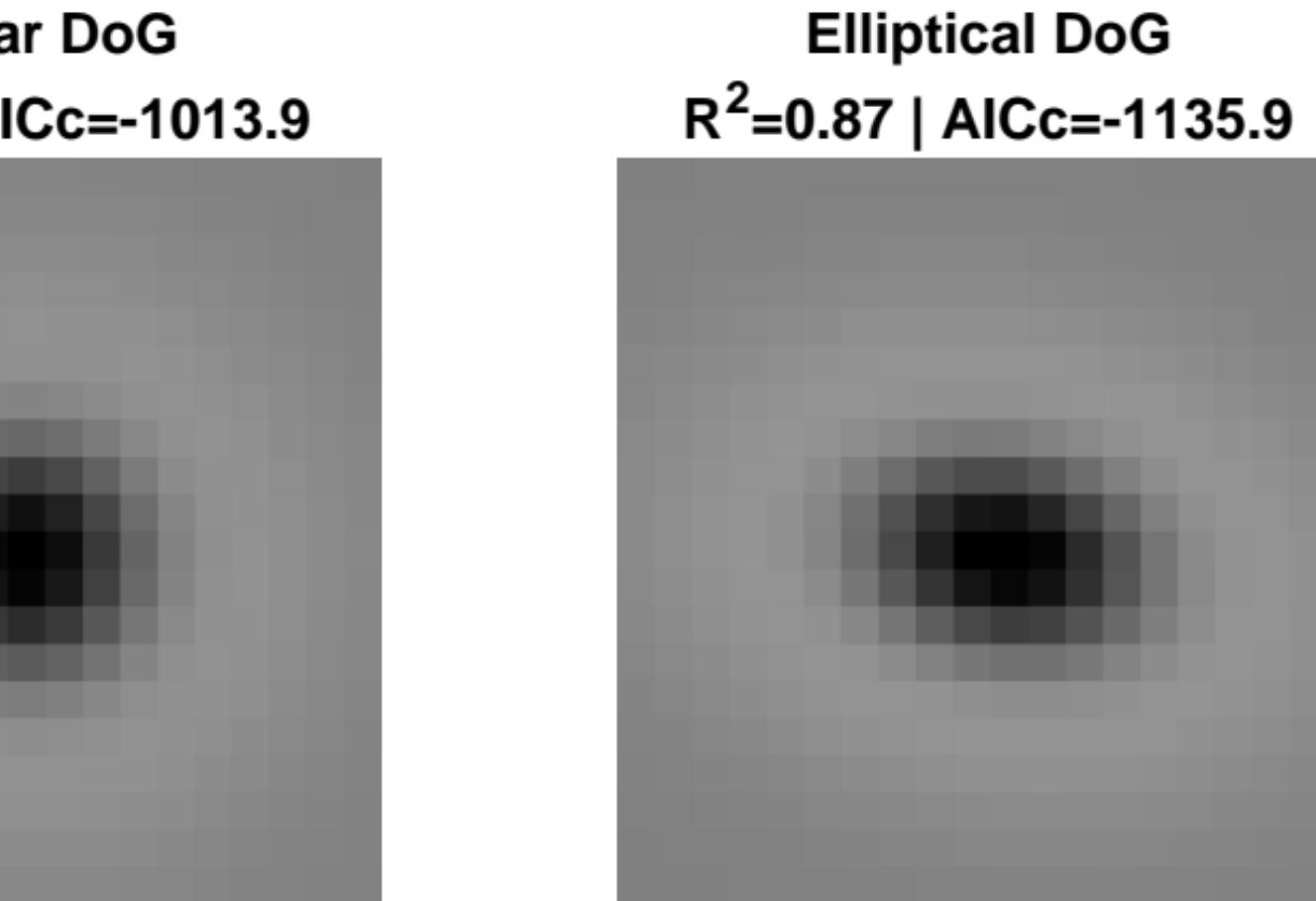
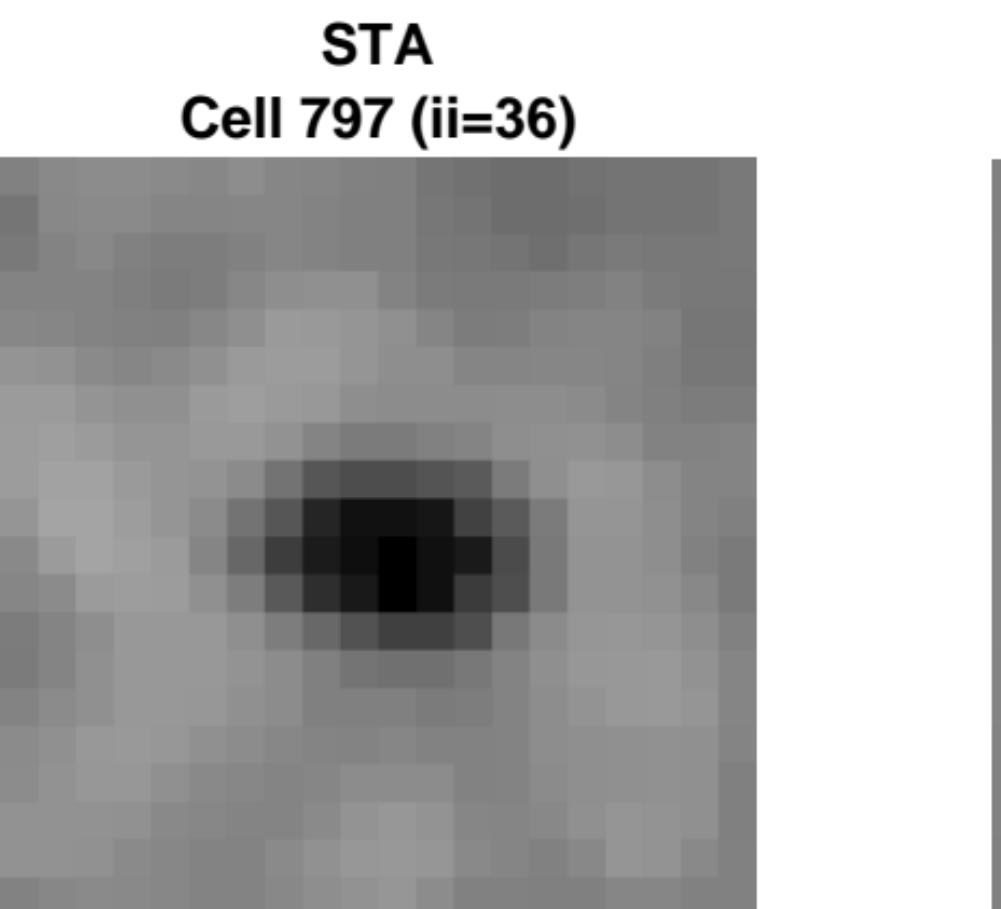
**Custom Gabor**  
 $R^2=0.87$  | AICc=-1092.2



**DoG x cos**  
 $R^2=0.88$  | AICc=-1115.0



# RF Model Comparison - Cell 797



# RF Model Comparison - Cell 801

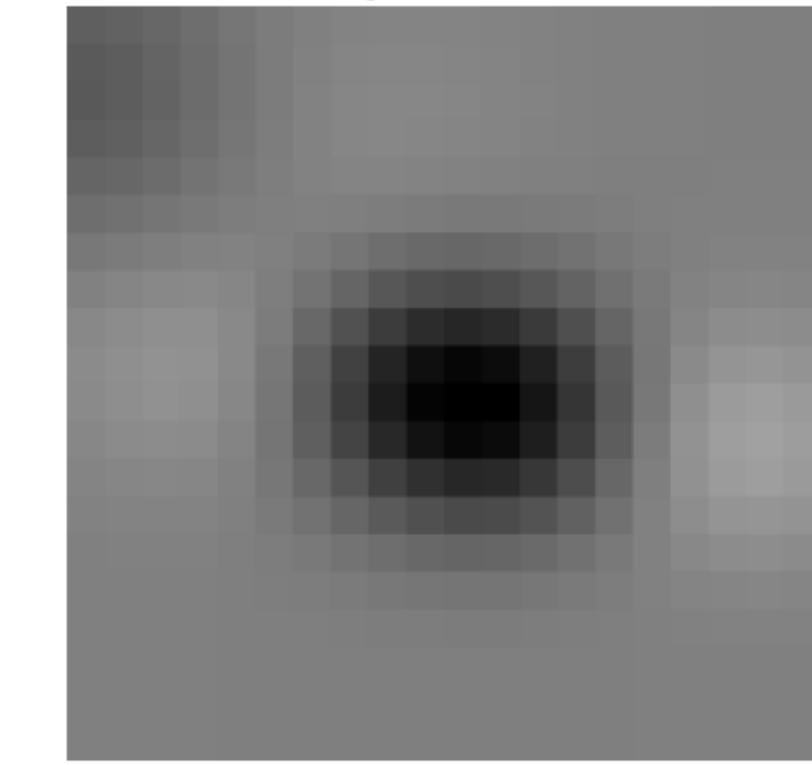
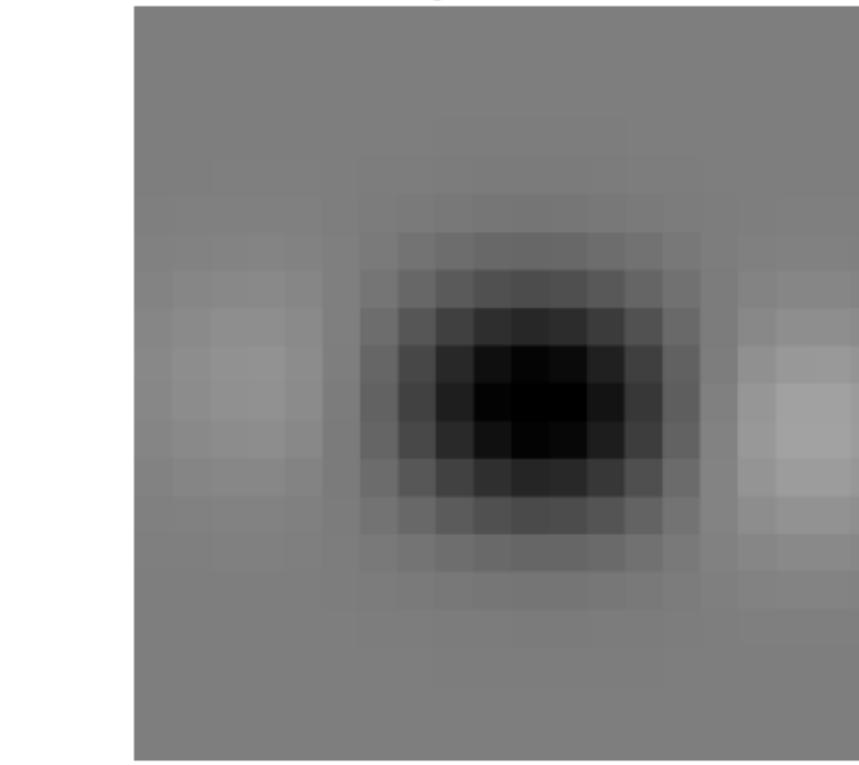
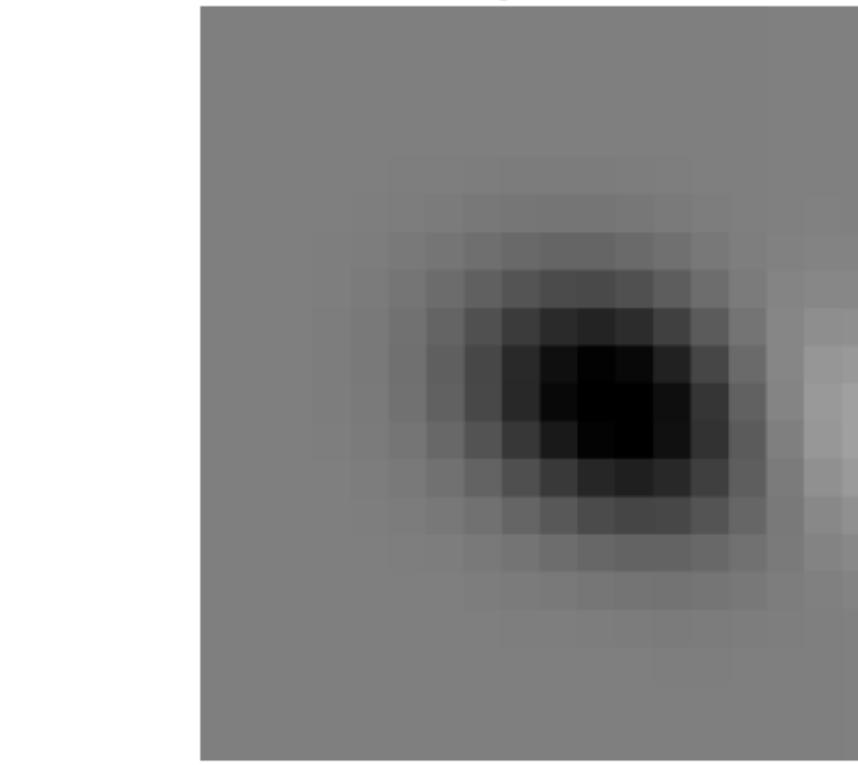
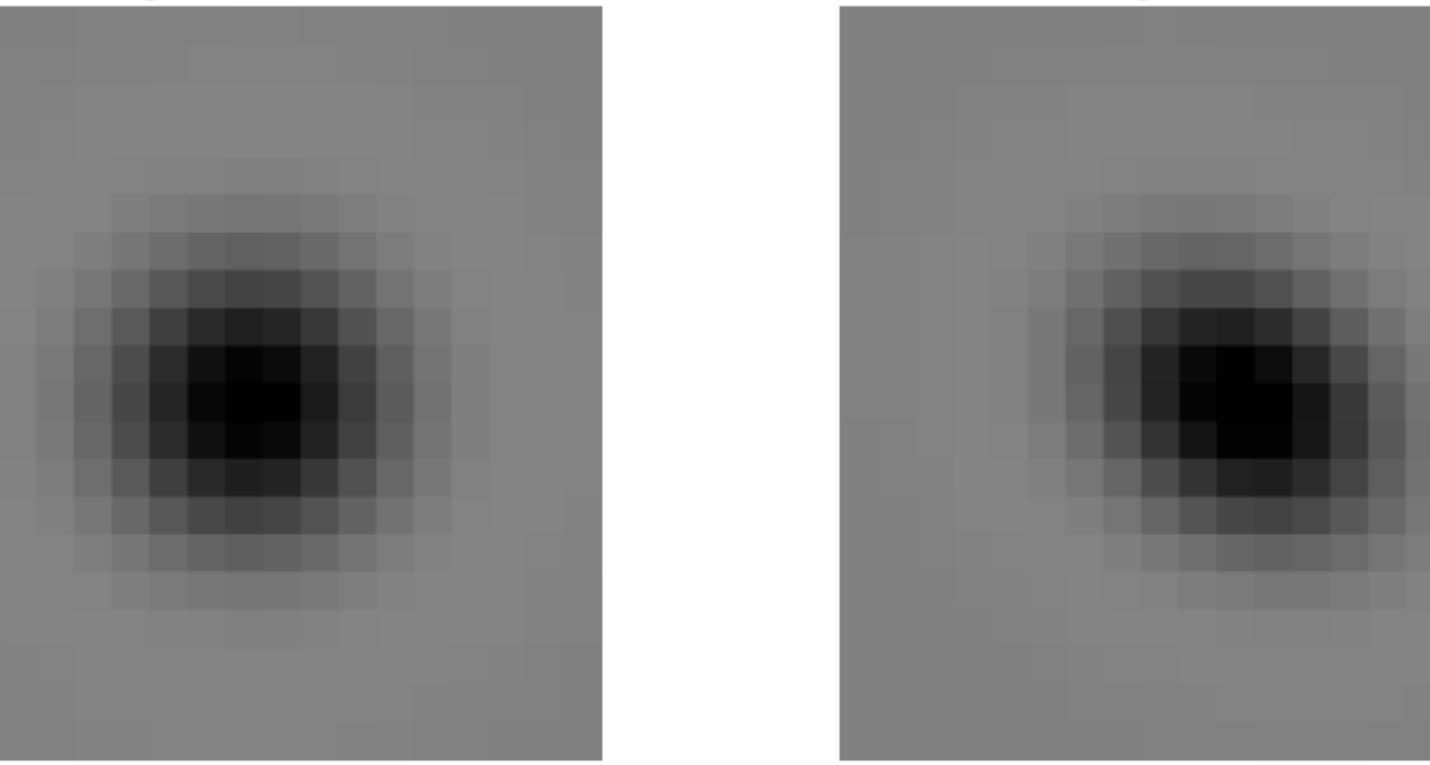
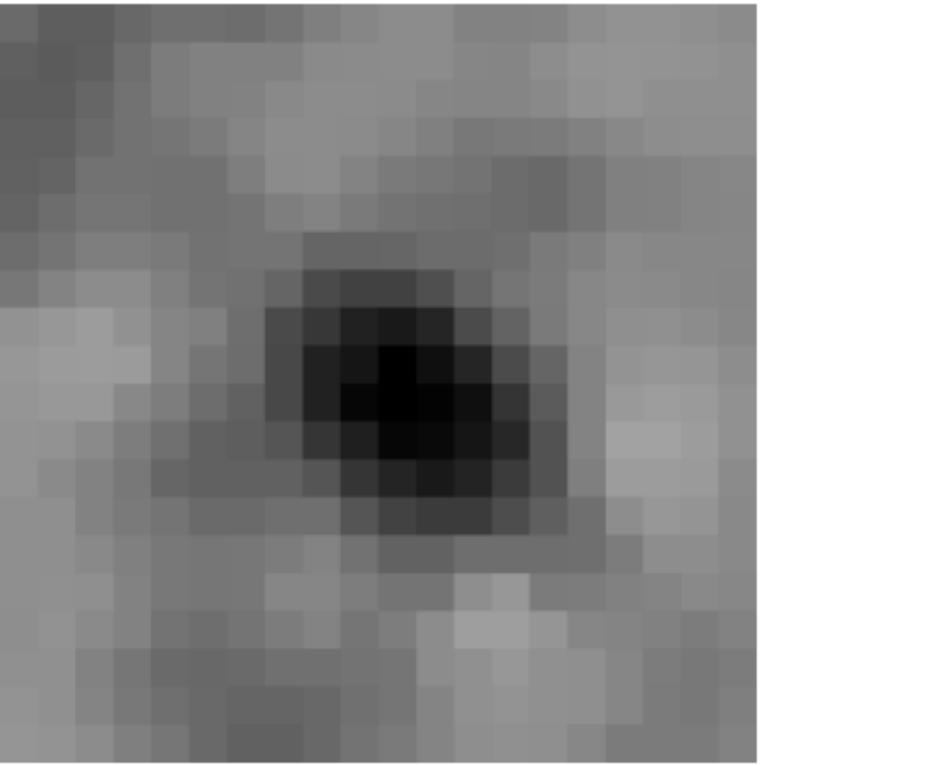
**STA**  
Cell 801 (ii=37)

**Circular DoG**  
 $R^2=0.77$  | AICc=-1062.7

**Elliptical DoG**  
 $R^2=0.78$  | AICc=-1080.0

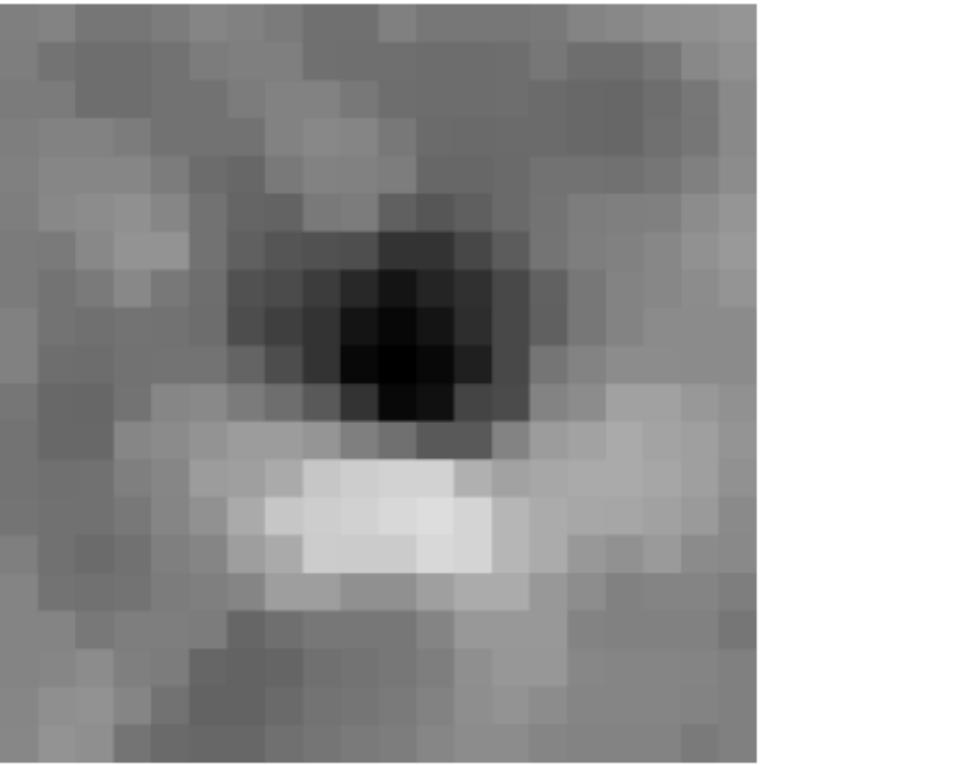
**Noncon DoG**  
 $R^2=0.82$  | AICc=-1138.4

**Custom Gabor**  
 $R^2=0.81$  | AICc=-1128.8

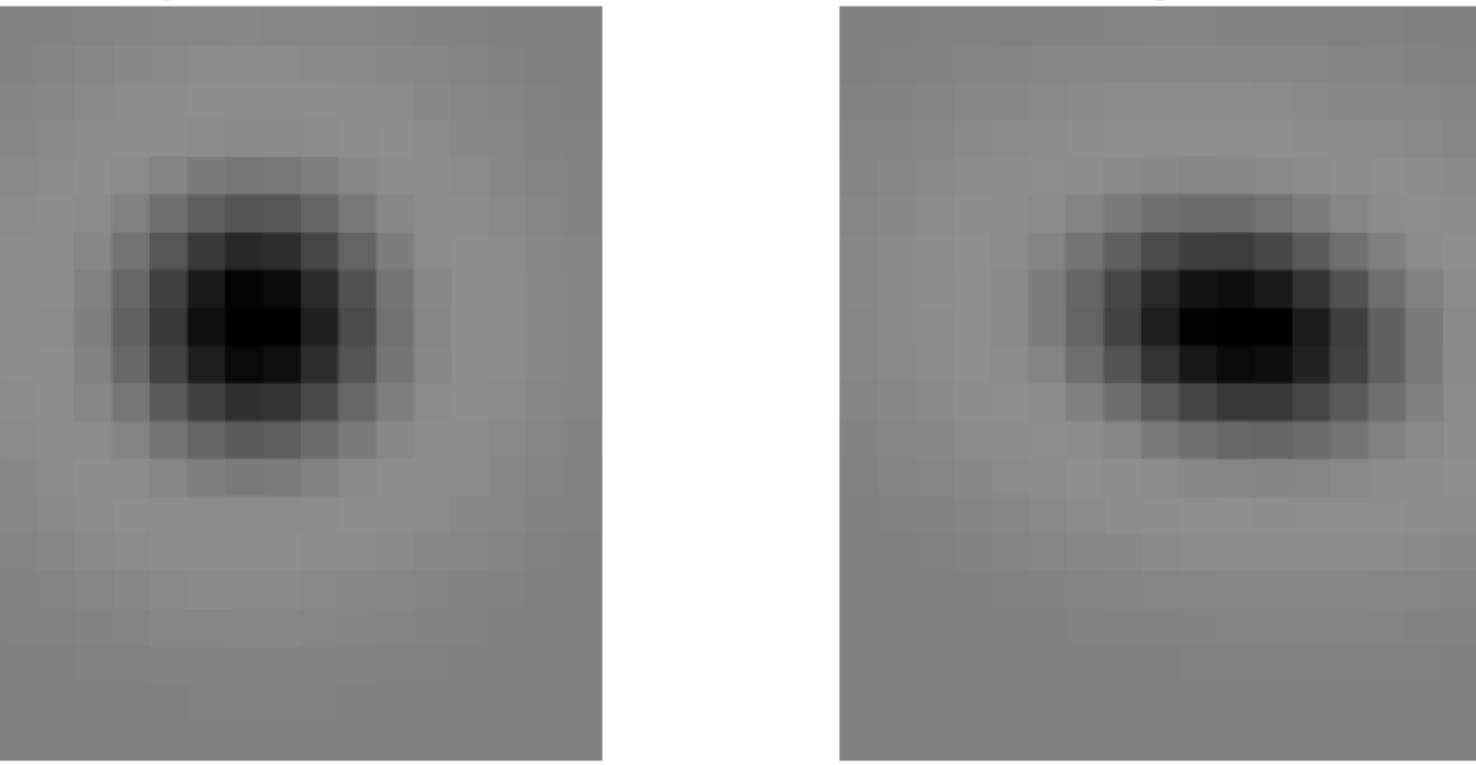


# RF Model Comparison - Cell 808

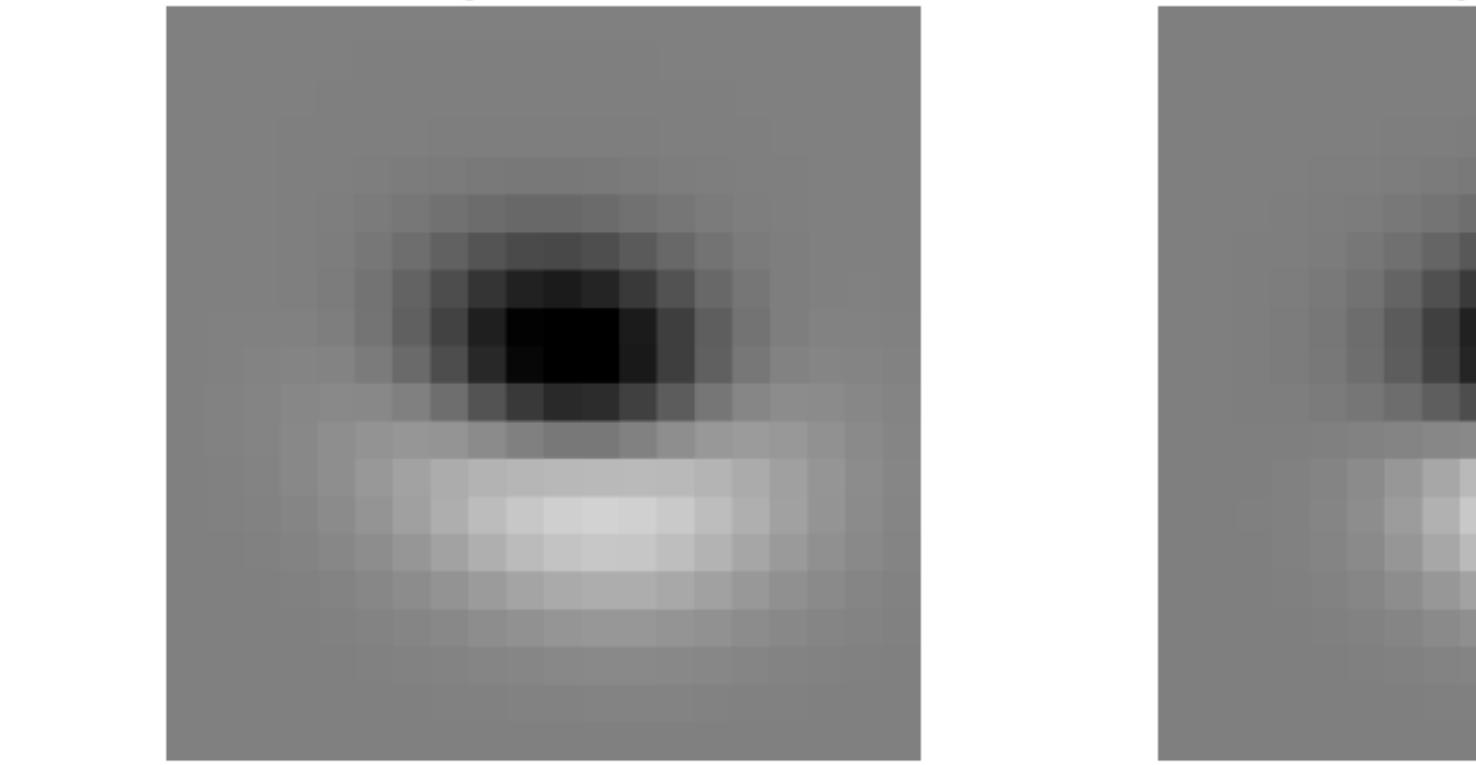
**STA**  
Cell 808 (ii=38)



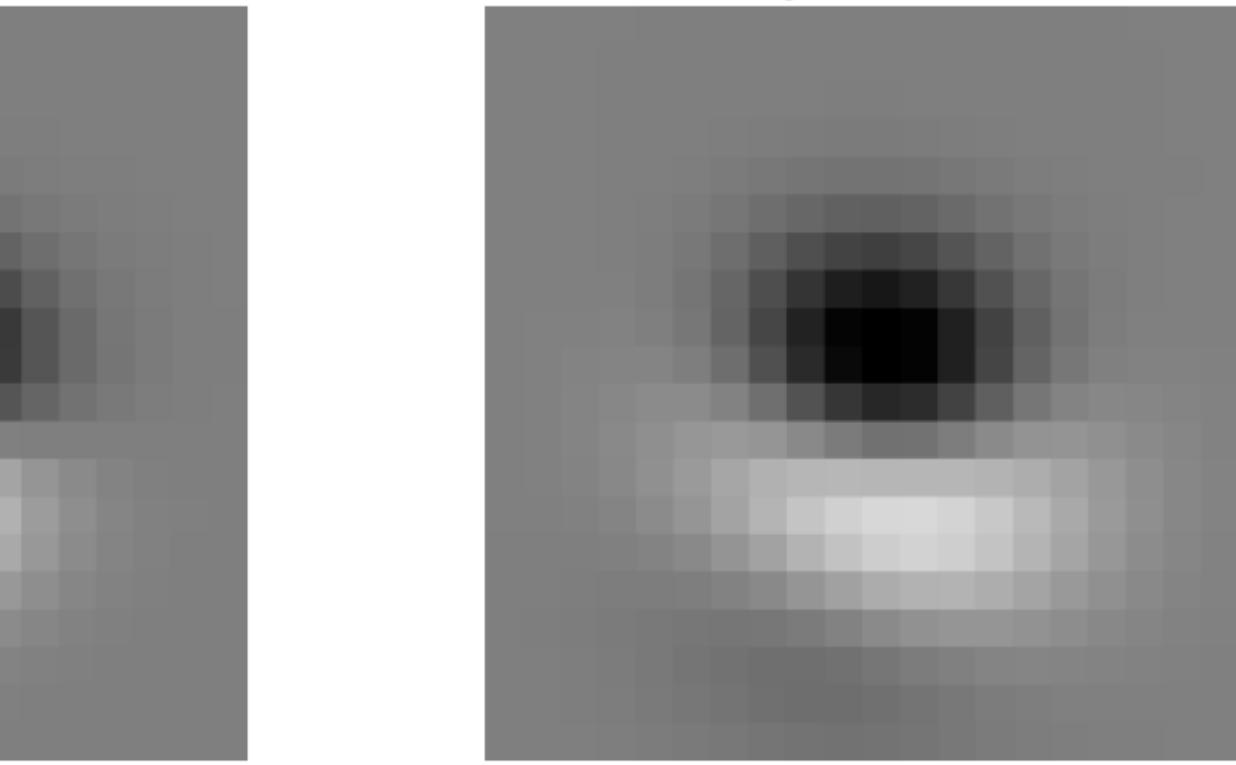
**Circular DoG**  
 $R^2=0.54$  | AICc=-807.8



**Elliptical DoG**  
 $R^2=0.57$  | AICc=-834.8



**Noncon DoG**  
 $R^2=0.83$  | AICc=-1205.0



**Custom Gabor**  
 $R^2=0.79$  | AICc=-1110.9

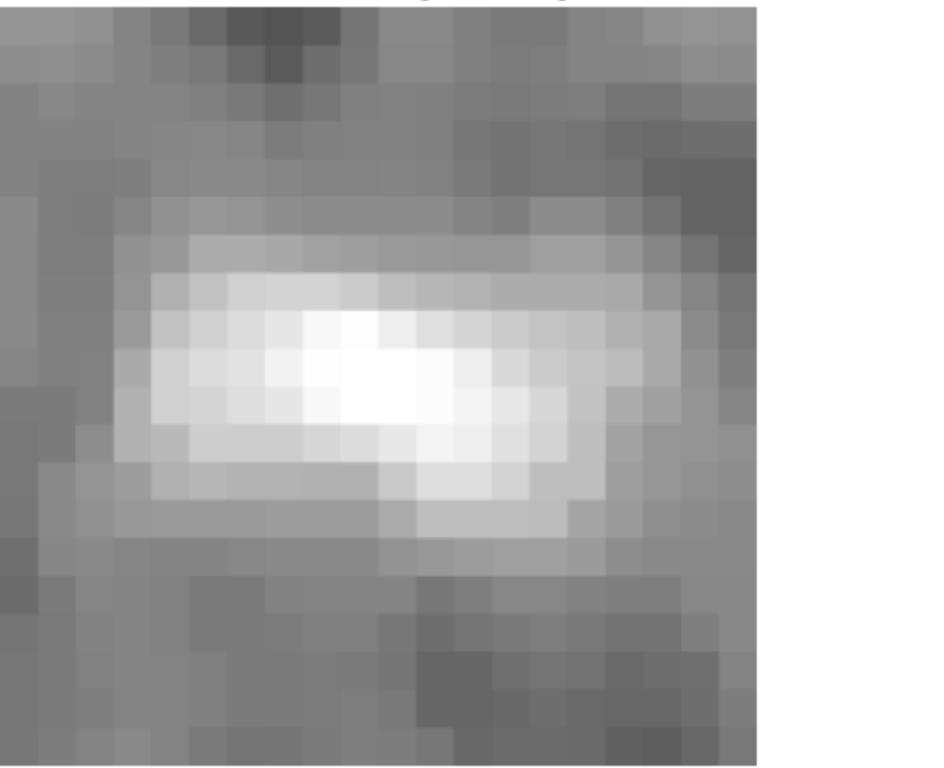


**DoG x cos**  
 $R^2=0.85$  | AICc=-1246.5

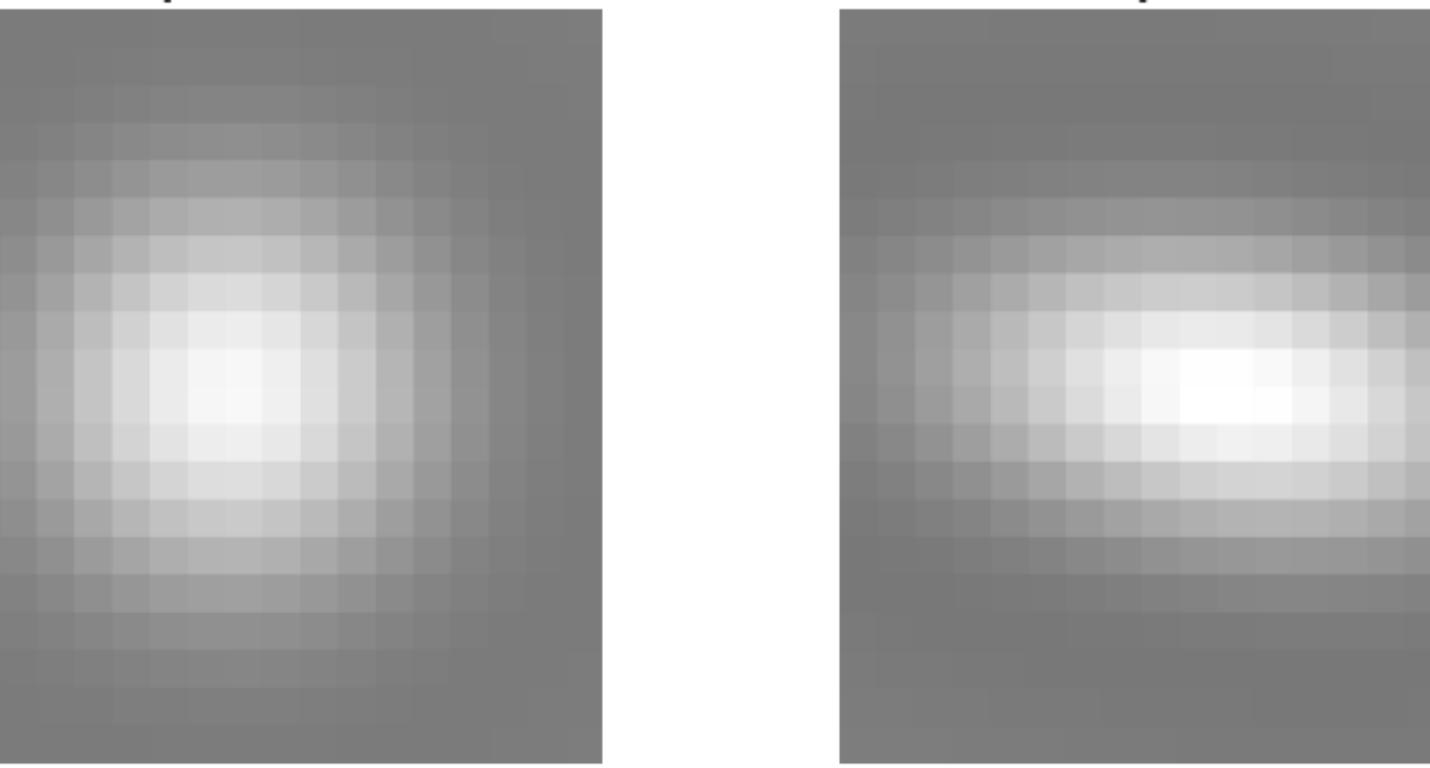


# RF Model Comparison - Cell 918

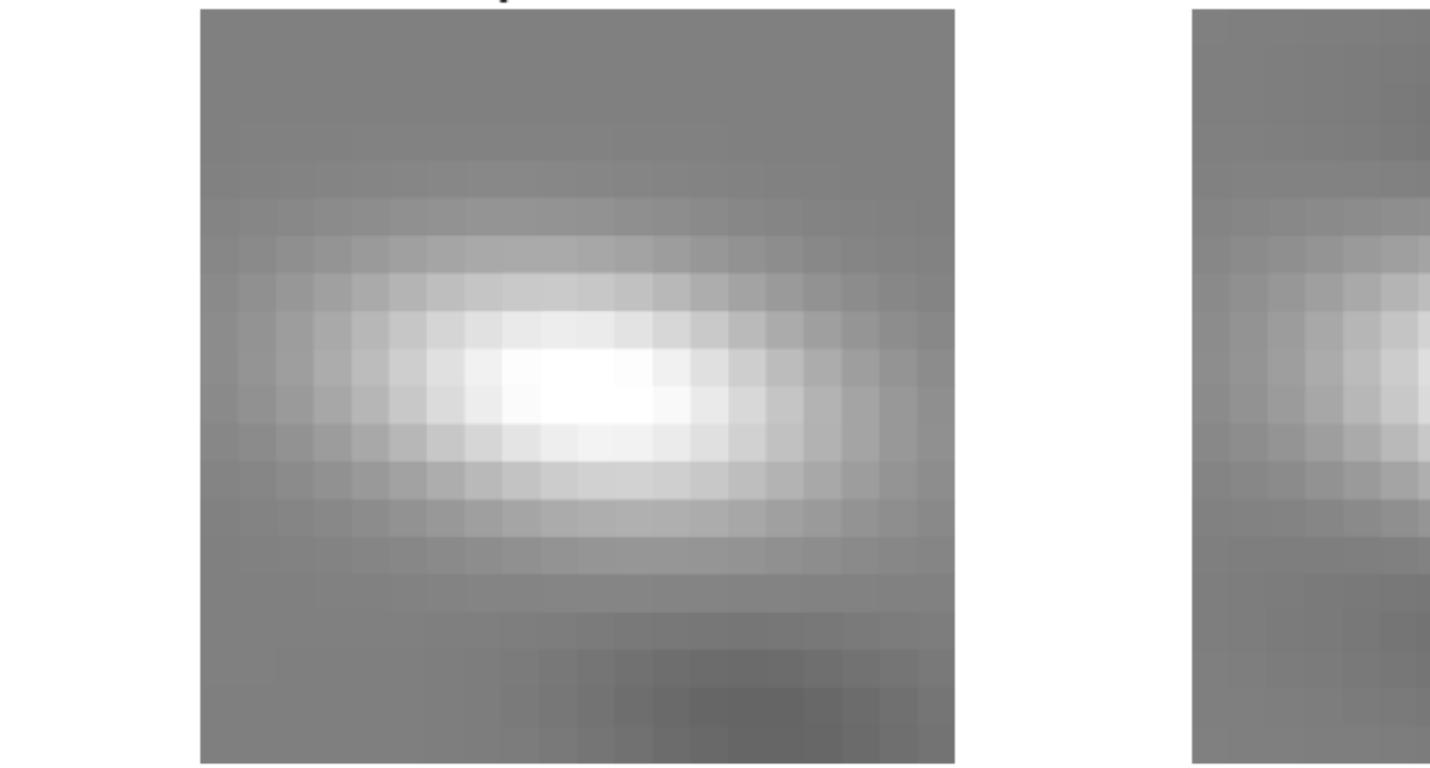
**STA**  
Cell 918 (ii=39)



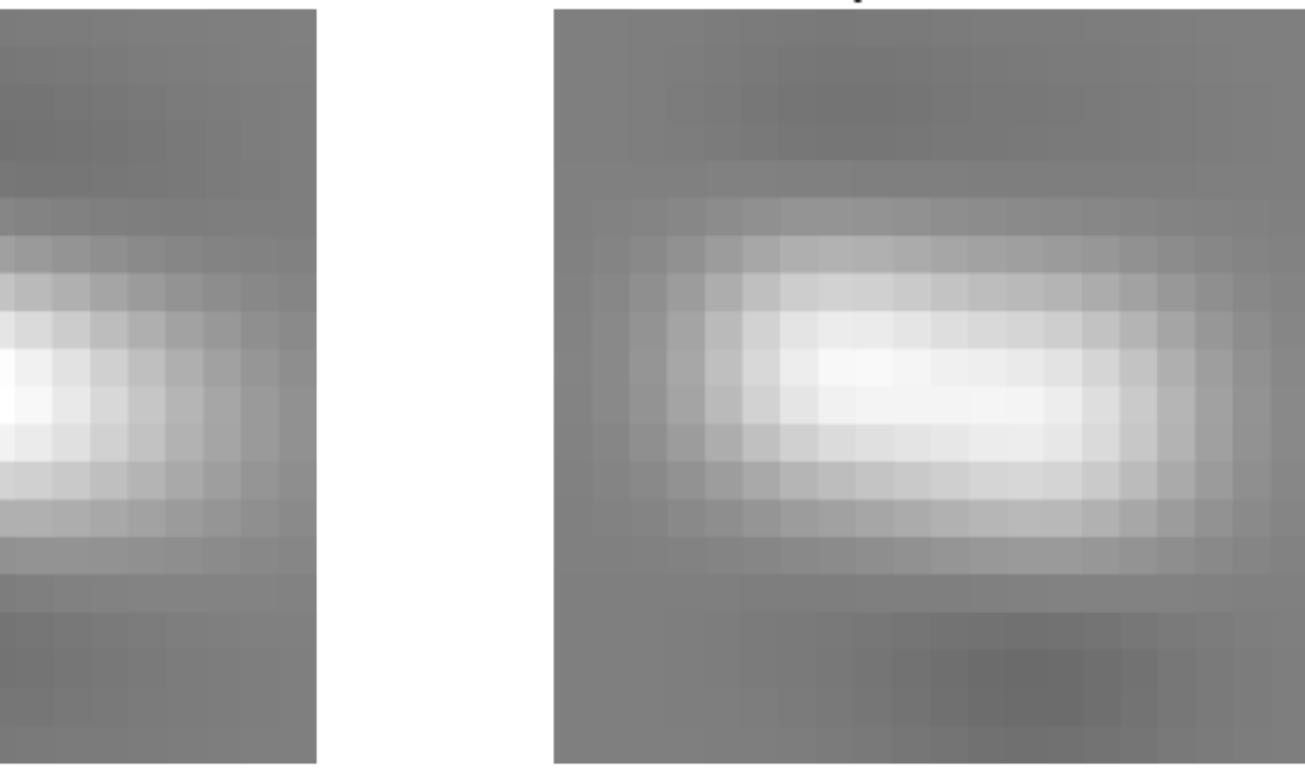
**Circular DoG**  
 $R^2=0.74$  | AICc=-817.5



**Elliptical DoG**  
 $R^2=0.91$  | AICc=-1222.0



**Noncon DoG**  
 $R^2=0.91$  | AICc=-1233.6



**Custom Gabor**  
 $R^2=0.90$  | AICc=-1191.2

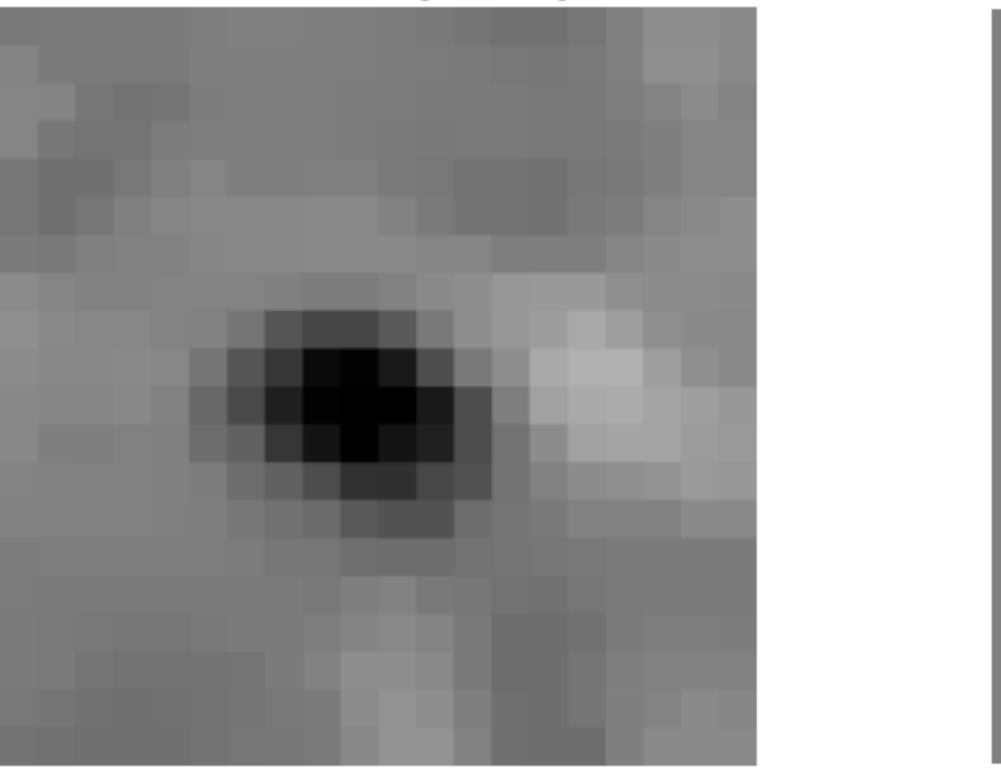


**DoG x cos**  
 $R^2=0.92$  | AICc=-1290.2

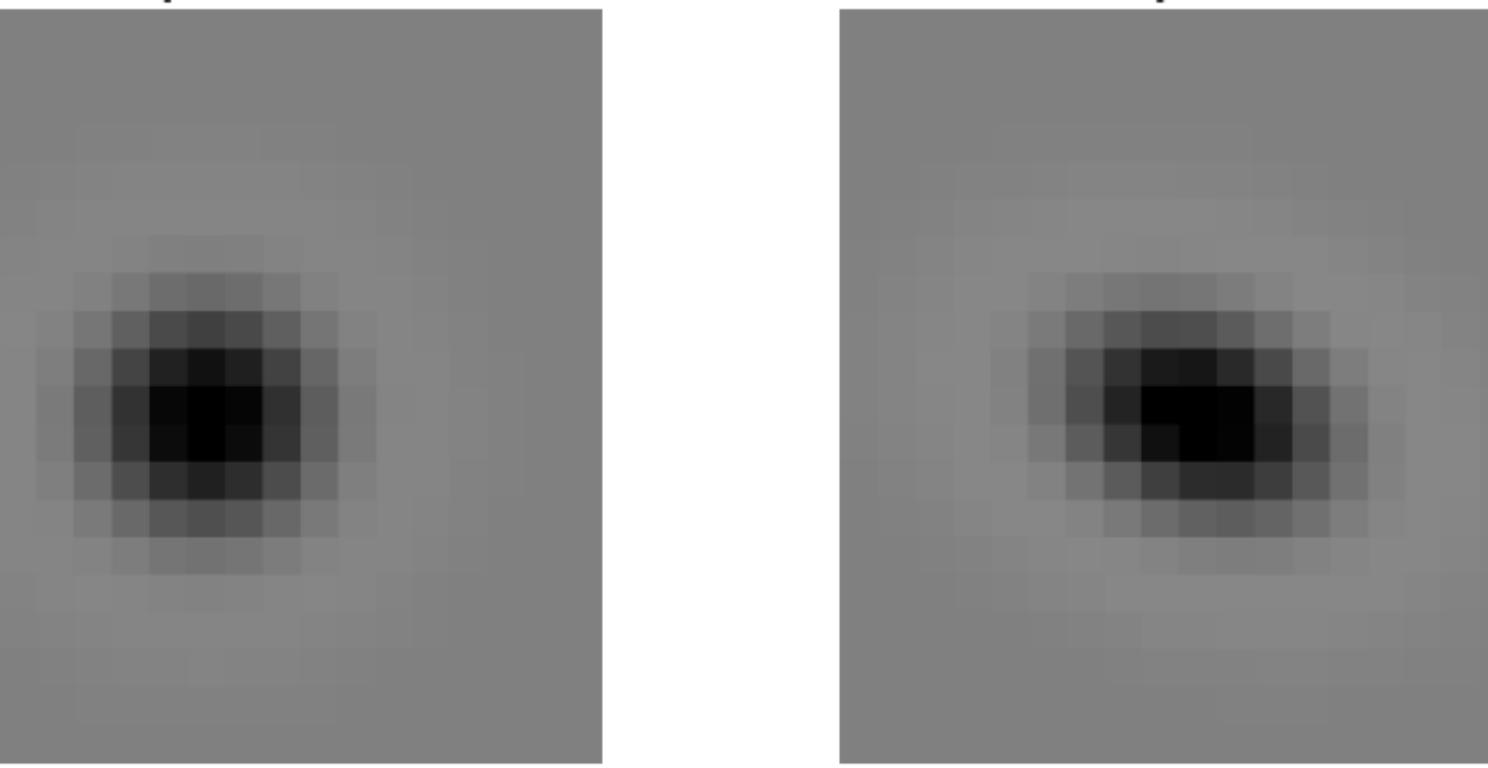


# RF Model Comparison - Cell 981

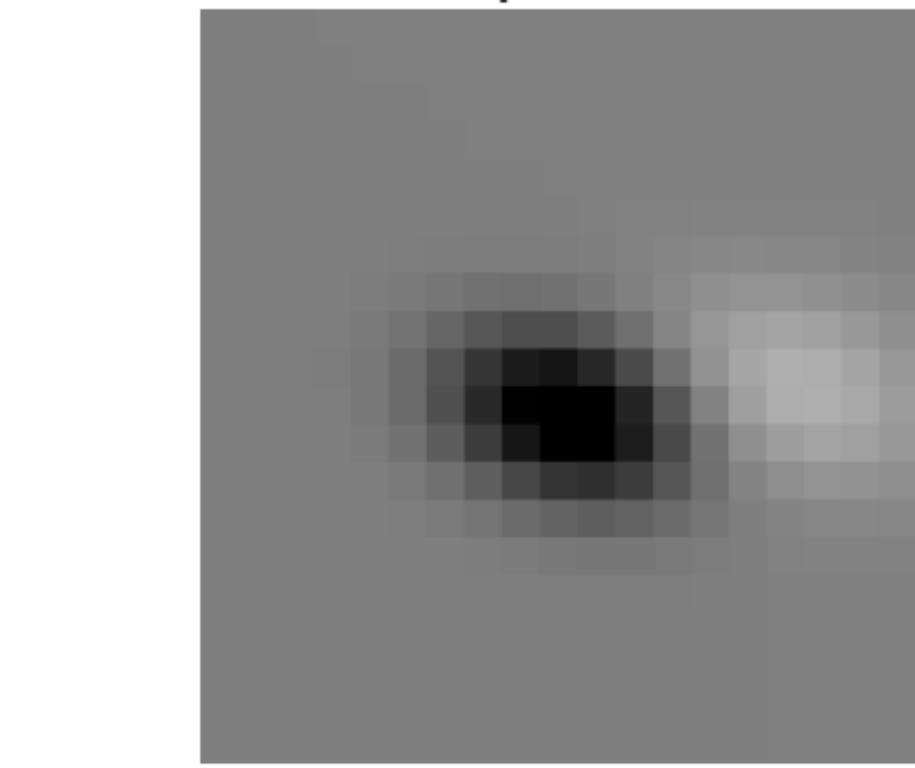
**STA**  
Cell 981 (ii=40)



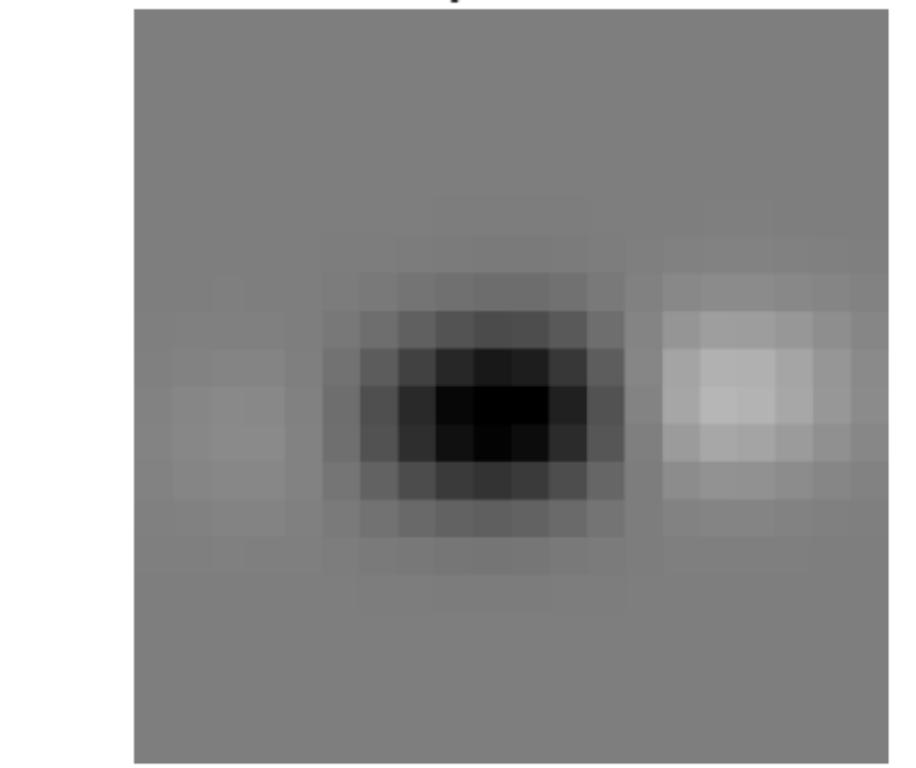
**Circular DoG**  
 $R^2=0.76$  | AICc=-786.1



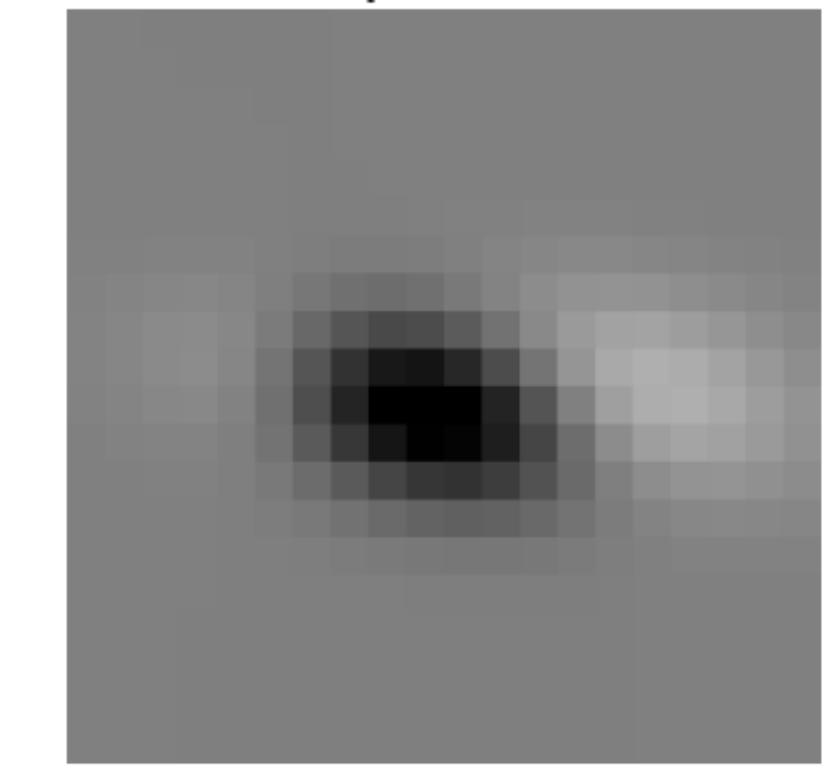
**Elliptical DoG**  
 $R^2=0.80$  | AICc=-844.3



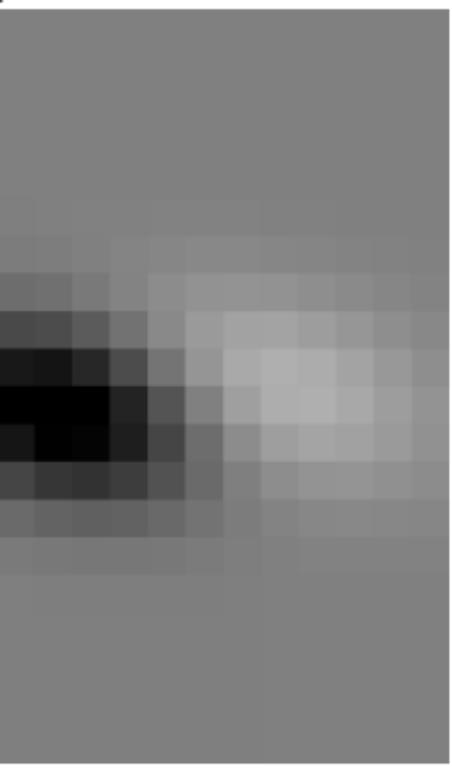
**Noncon DoG**  
 $R^2=0.89$  | AICc=-1086.0



**Custom Gabor**  
 $R^2=0.86$  | AICc=-992.8

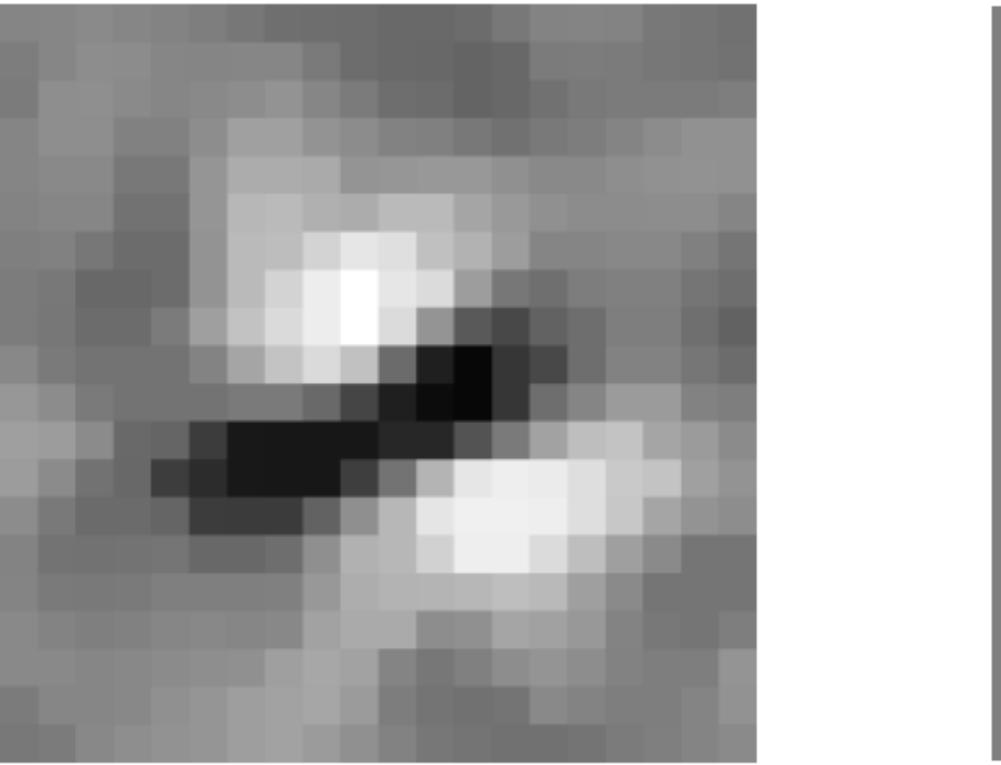


**DoG x cos**  
 $R^2=0.90$  | AICc=-1120.5

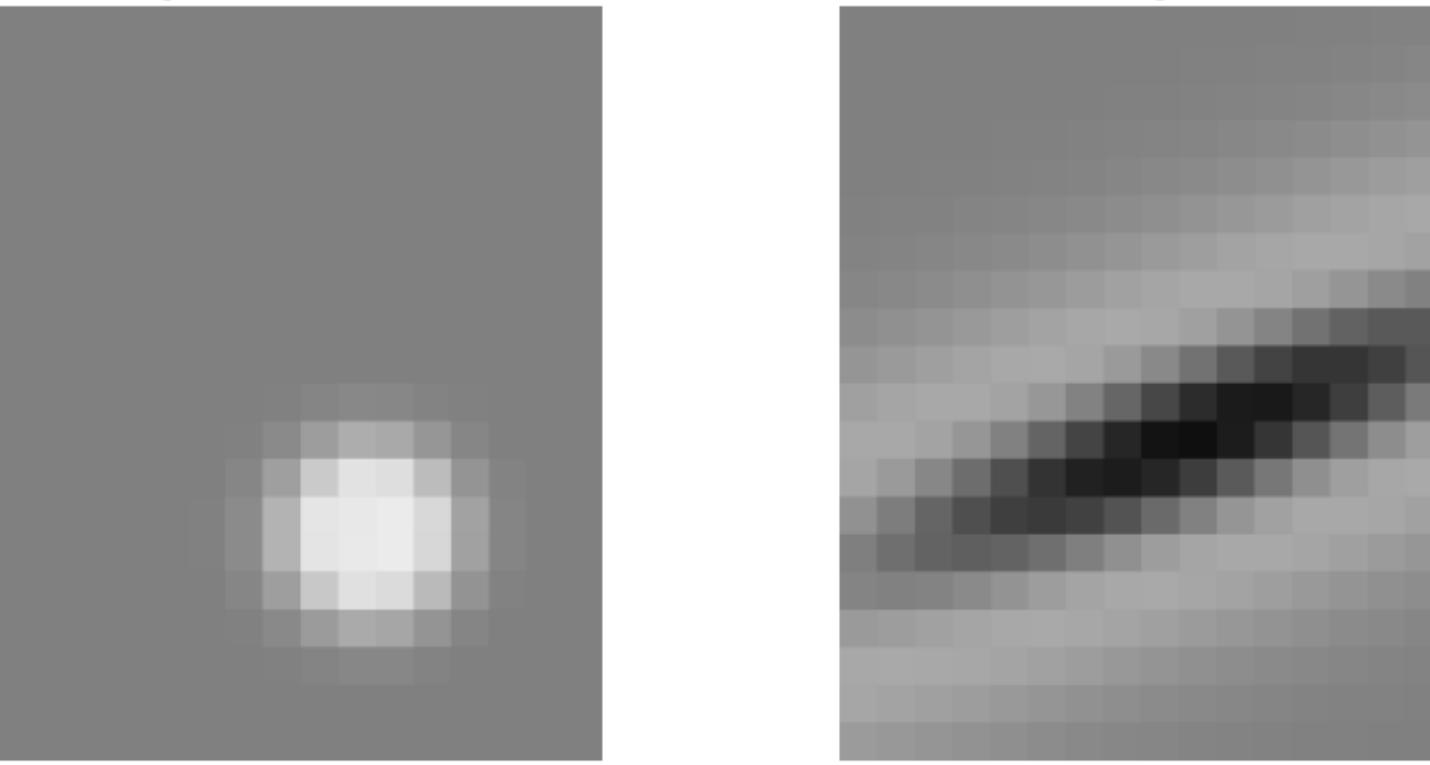


# RF Model Comparison - Cell 983

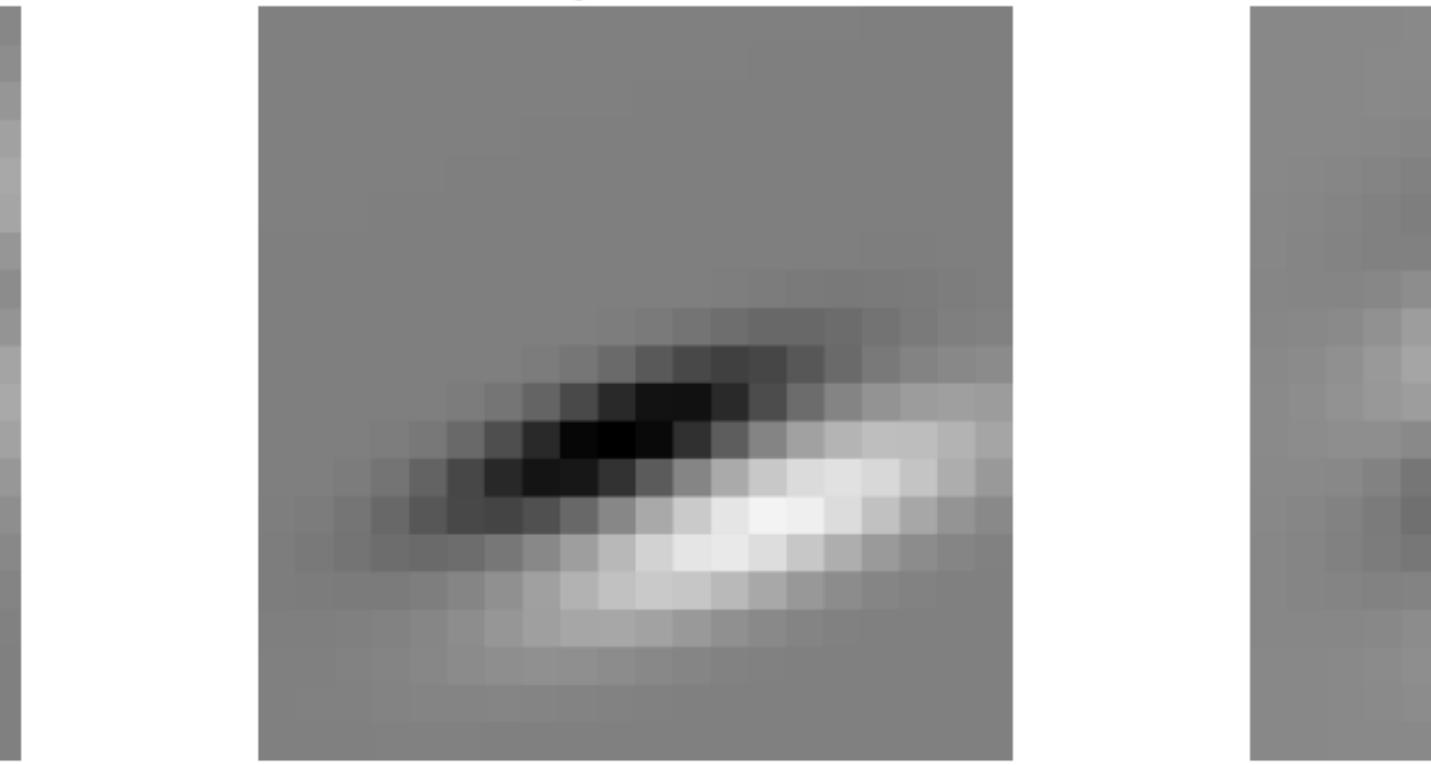
**STA**  
Cell 983 (ii=41)



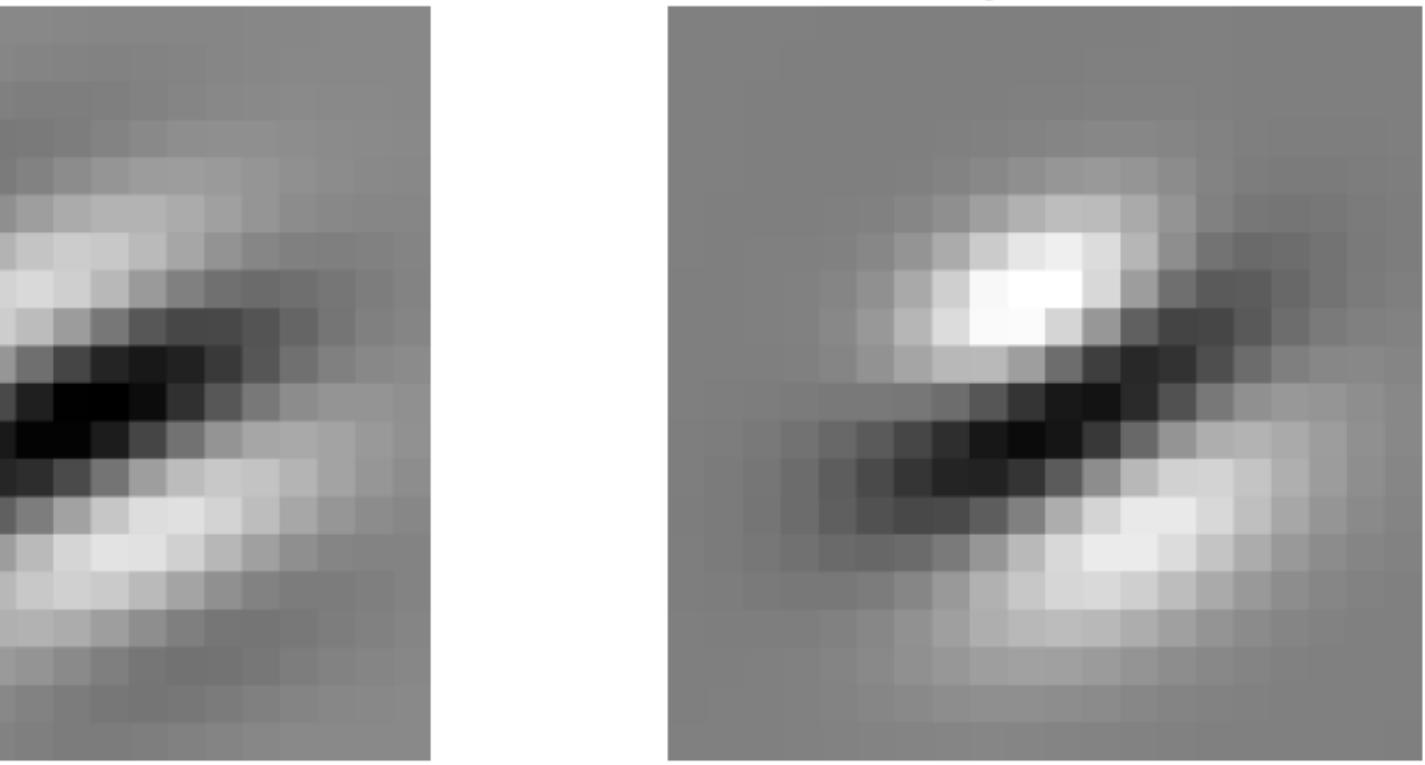
**Circular DoG**  
 $R^2=0.20$  | AICc=-275.9



**Elliptical DoG**  
 $R^2=0.52$  | AICc=-477.6



**Noncon DoG**  
 $R^2=0.54$  | AICc=-492.4



**Custom Gabor**  
 $R^2=0.70$  | AICc=-656.6

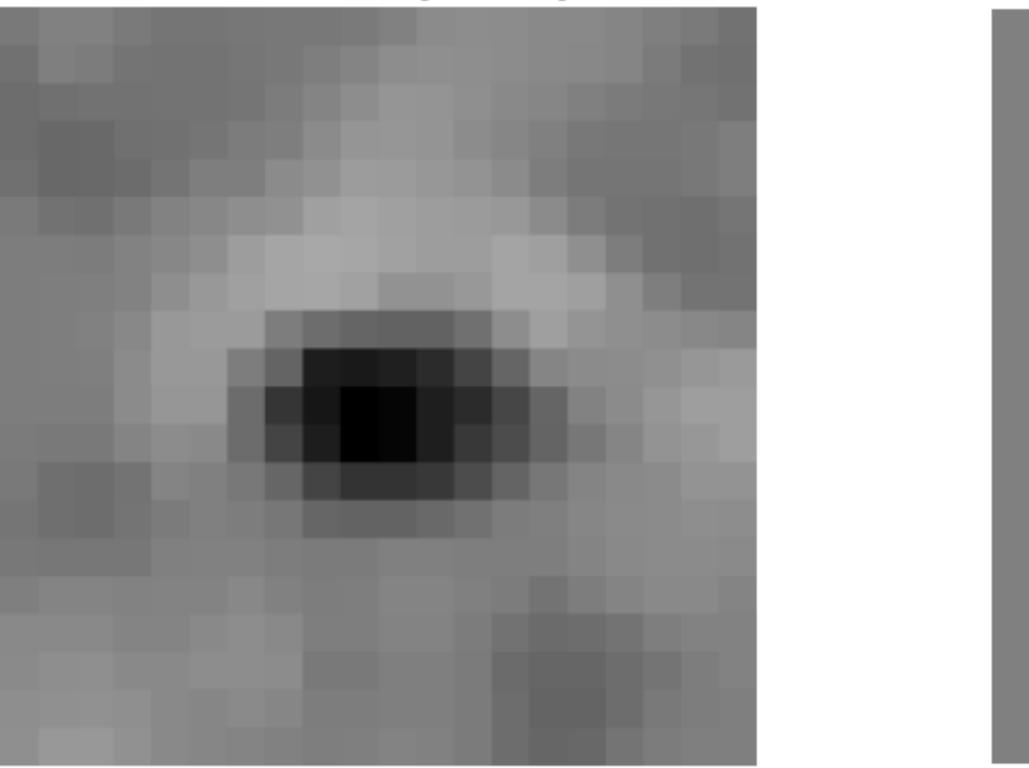


**DoG x cos**  
 $R^2=0.83$  | AICc=-883.1

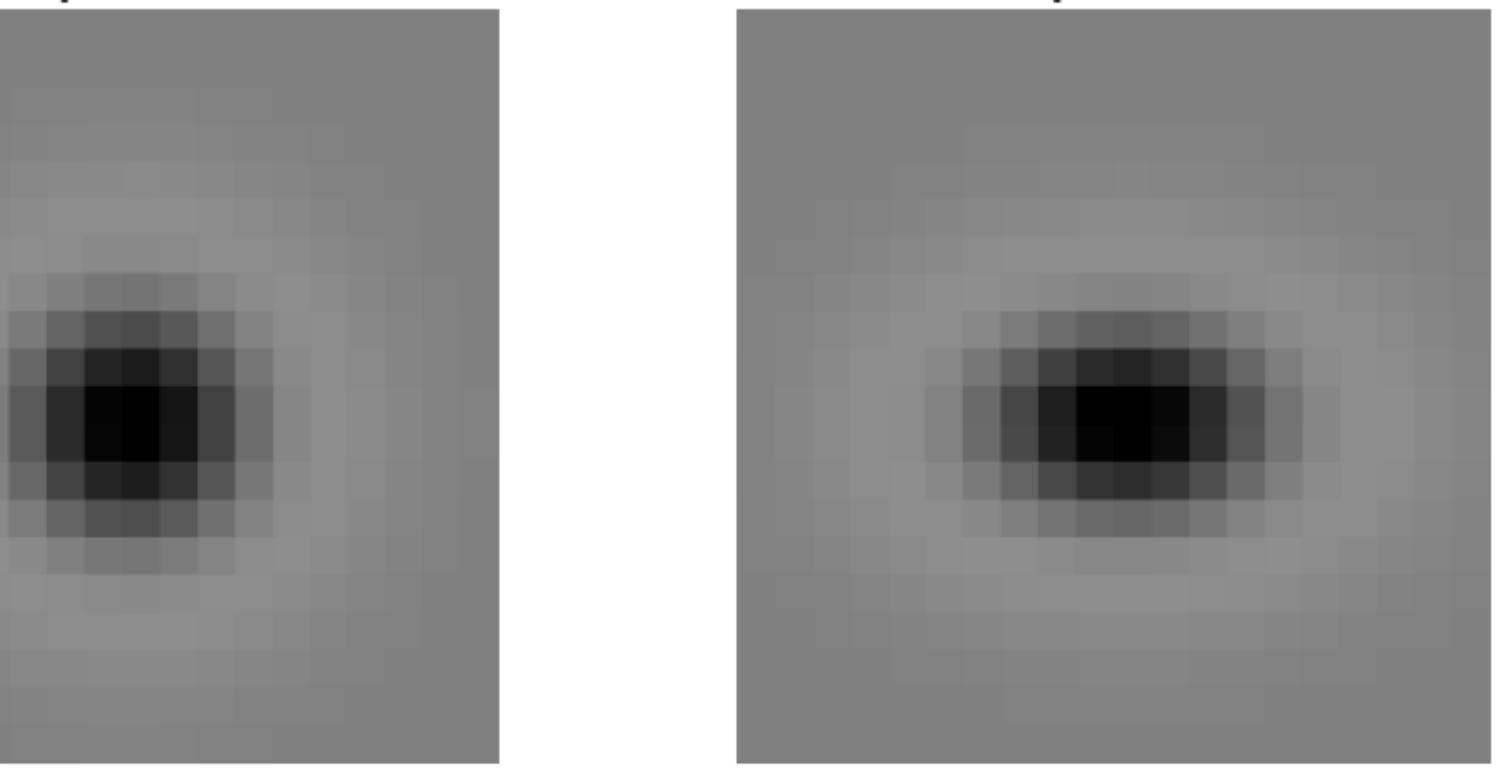


# RF Model Comparison - Cell 986

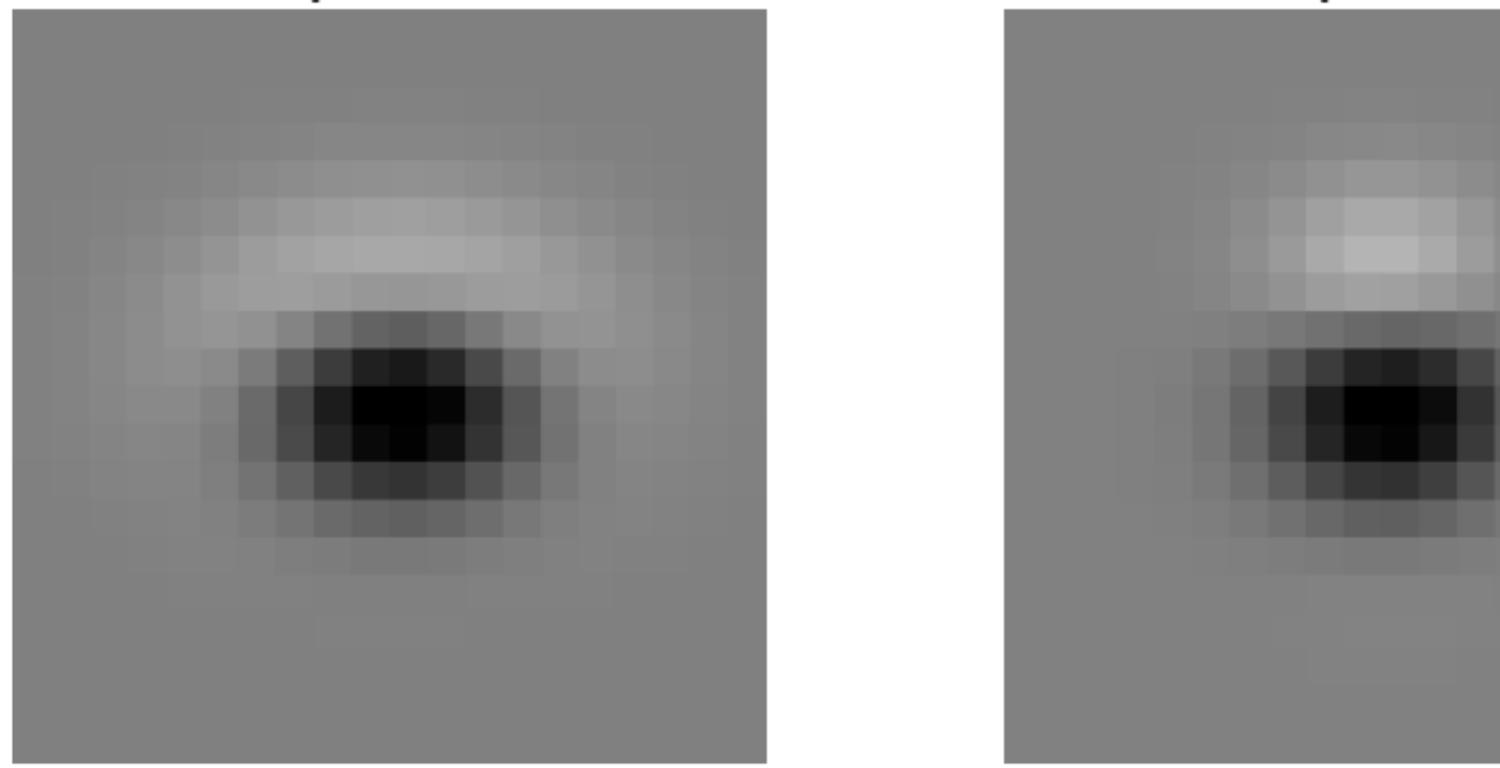
**STA**  
Cell 986 (ii=42)



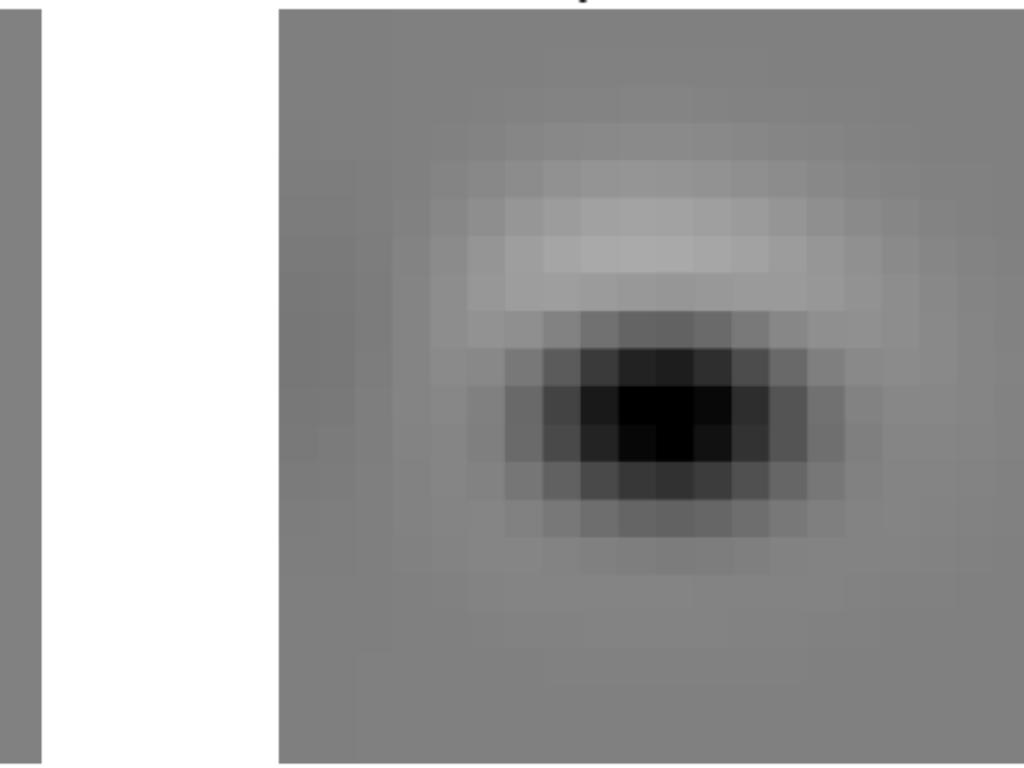
**Circular DoG**  
 $R^2=0.72$  | AICc=-806.7



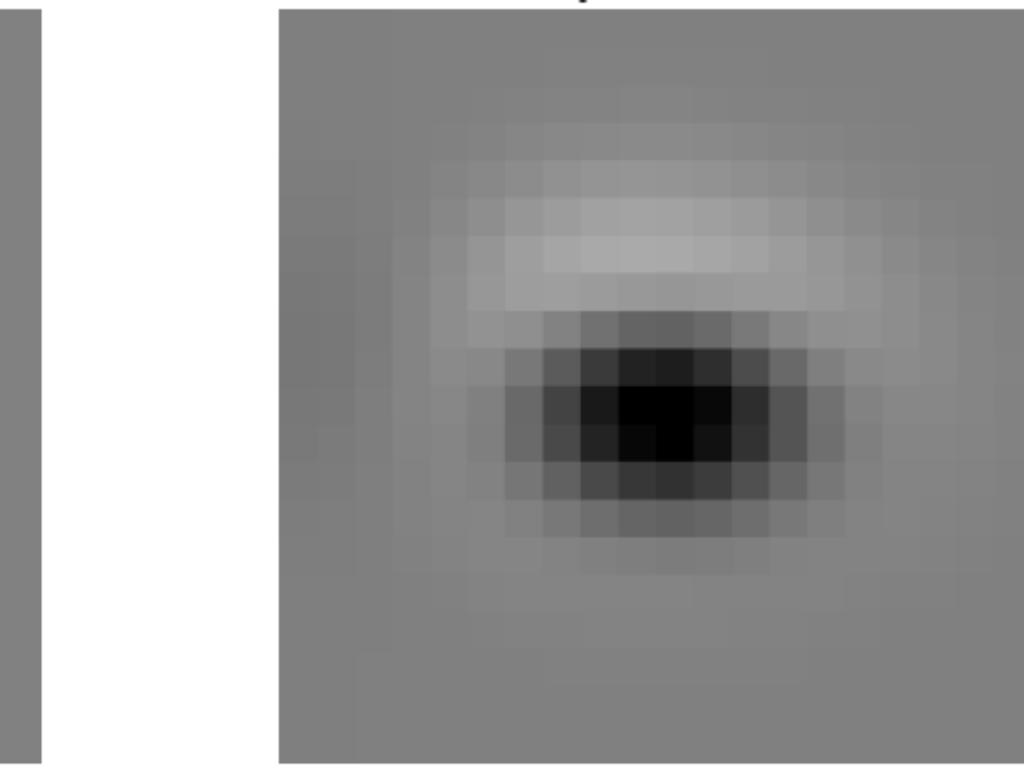
**Elliptical DoG**  
 $R^2=0.76$  | AICc=-871.1



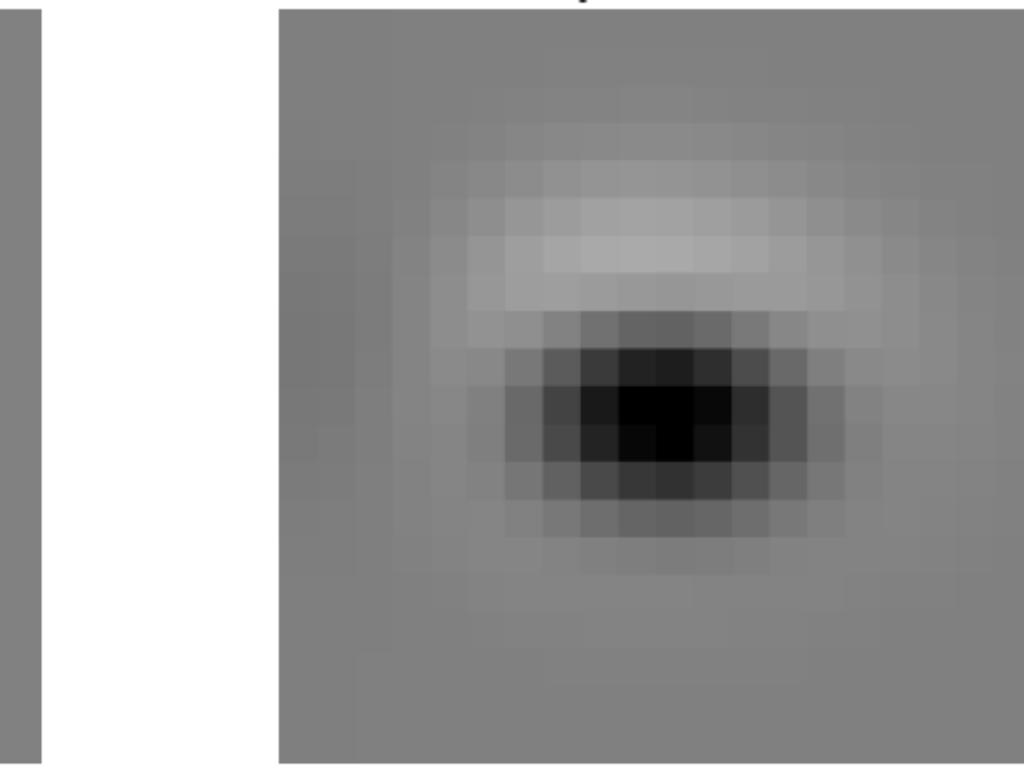
**Noncon DoG**  
 $R^2=0.83$  | AICc=-1004.9



**Custom Gabor**  
 $R^2=0.78$  | AICc=-899.9

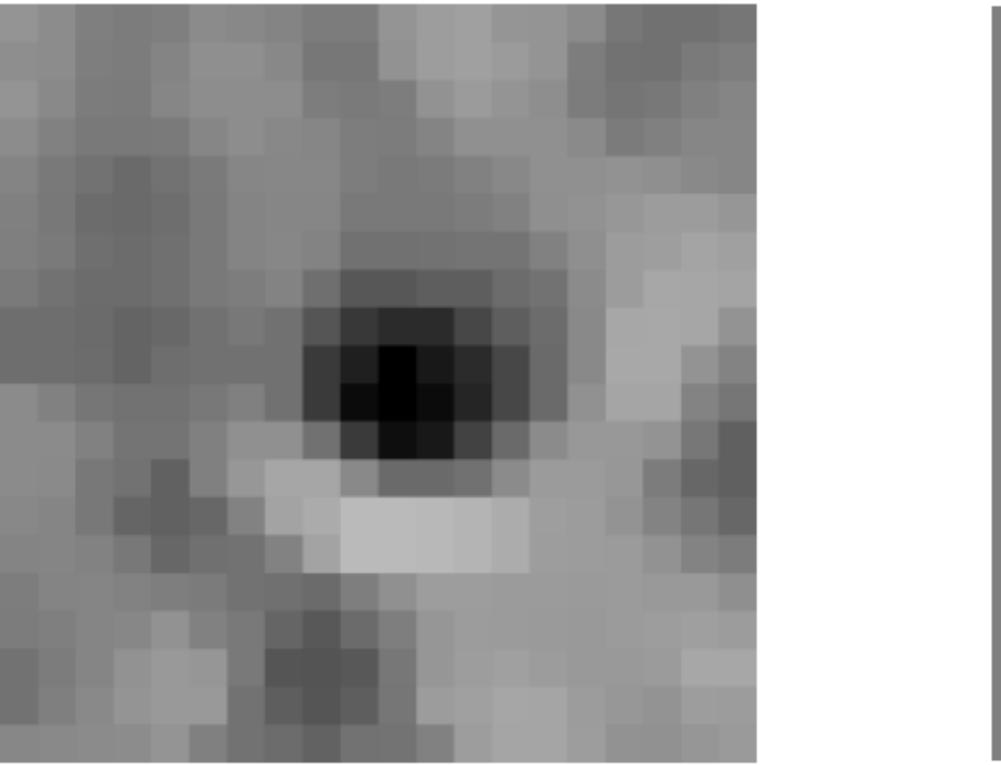


**DoG x cos**  
 $R^2=0.84$  | AICc=-1017.7

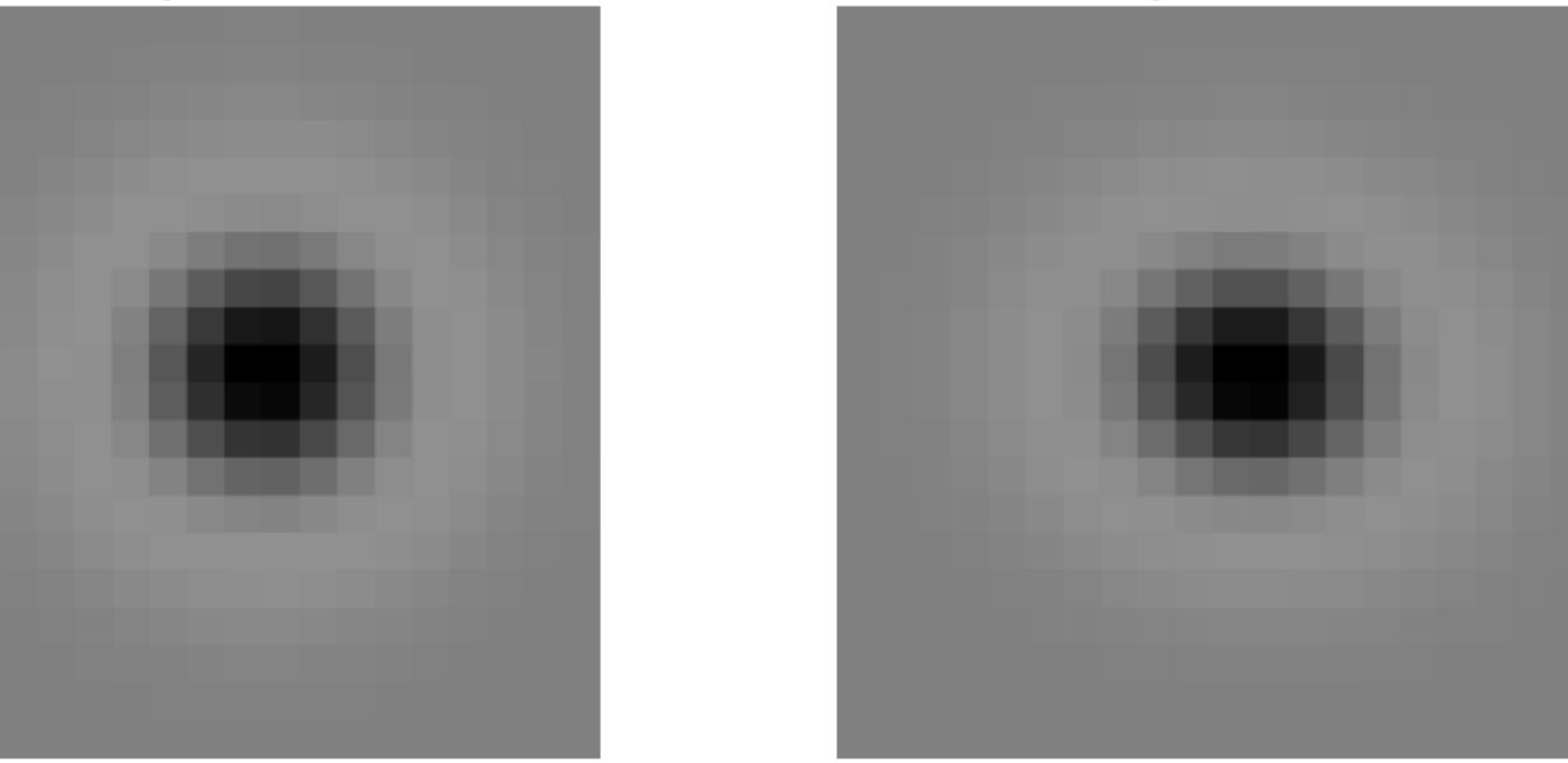


# RF Model Comparison - Cell 989

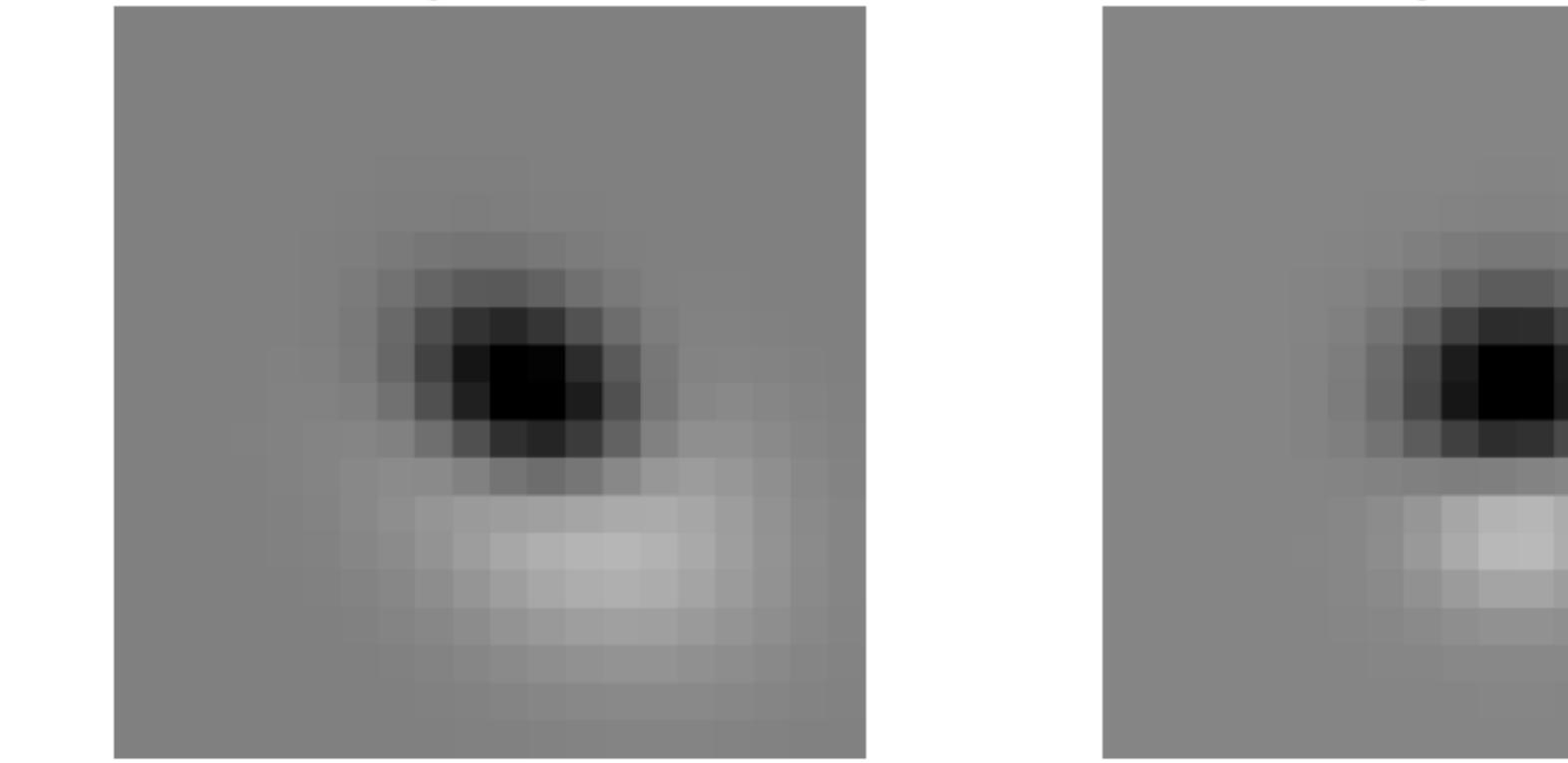
**STA**  
Cell 989 (ii=43)



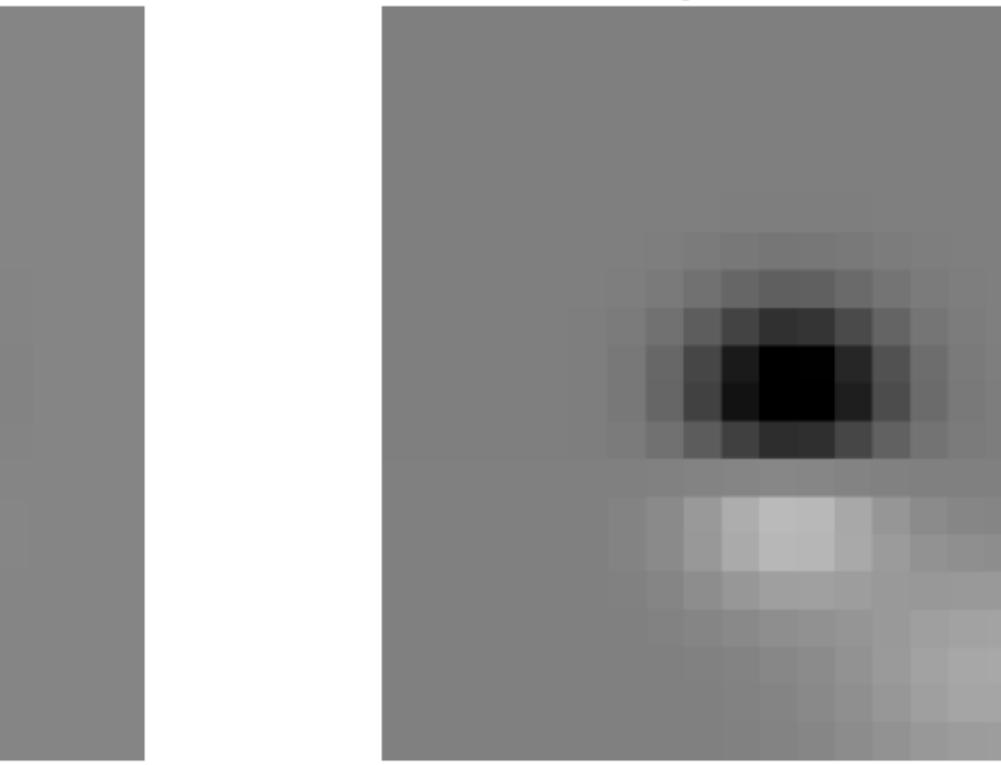
**Circular DoG**  
 $R^2=0.55$  | AICc=-883.7



**Elliptical DoG**  
 $R^2=0.56$  | AICc=-884.4



**Noncon DoG**  
 $R^2=0.65$  | AICc=-975.1



**Custom Gabor**  
 $R^2=0.62$  | AICc=-947.1



**DoG x cos**  
 $R^2=0.68$  | AICc=-1000.8

