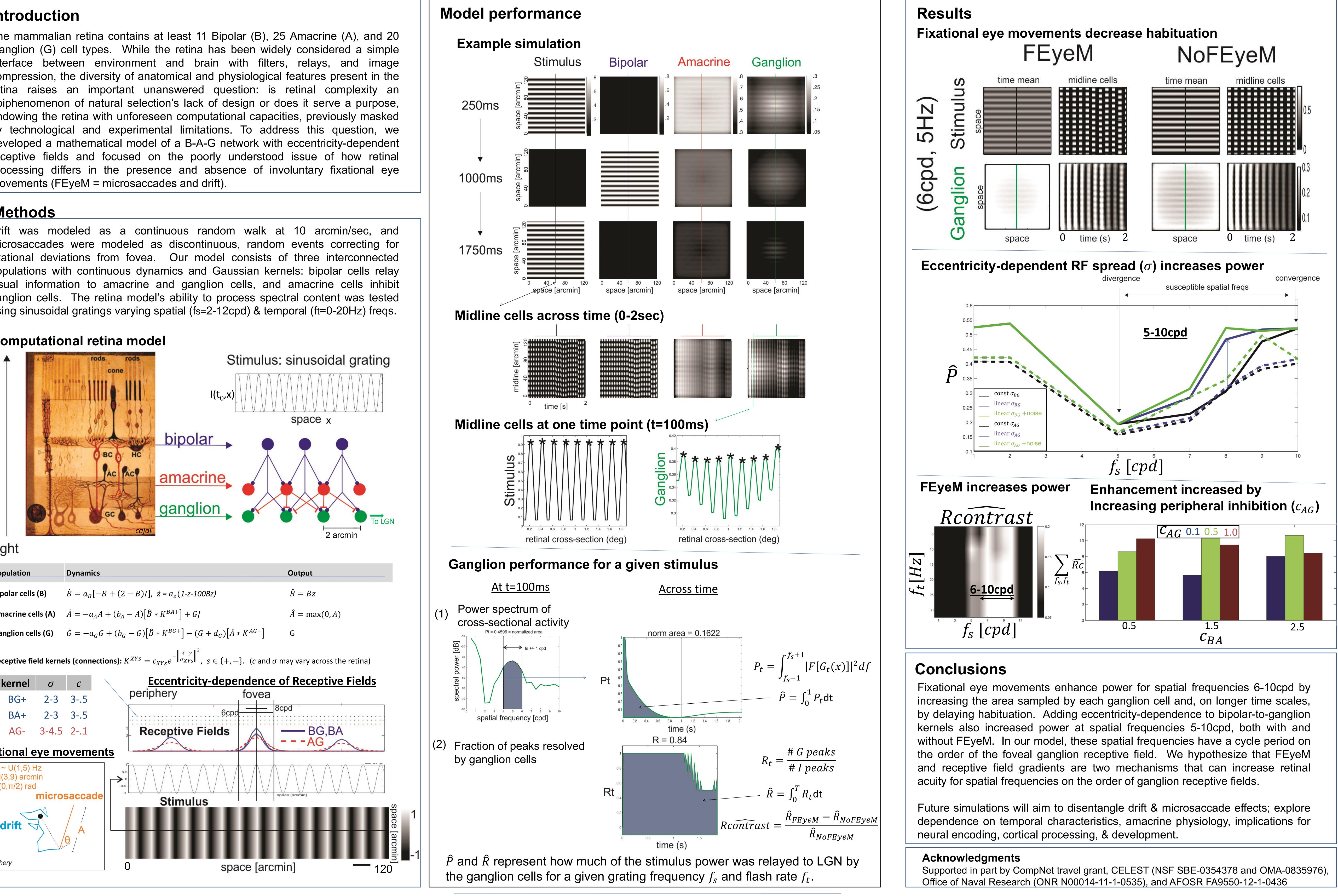
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## Fixational eye movements increase acuity in a retinal Bipolar-Amacrine-Ganglion circuit model <sup>1</sup>Center for Comp Neuro & Neural Technology; <sup>2</sup>Graduate Program for Neuroscience; <sup>3</sup>Cognitive and Neural Systems, Boston University



| Population         | Dynamics   | Outpu                  |
|--------------------|--|------------------------|
| Bipolar cells (B)  | $\dot{B} = a_B[-B + (2 - B)I], \ \dot{z} = a_z(1 - z - 100Bz)$                     | $\widehat{B} = B$      |
| Amacrine cells (A) | $\dot{A} = -a_A A + (b_A - A) \left[ \hat{B} * K^{BA+} \right] + GJ$               | $\hat{A} = \mathbf{r}$ |
| Ganglion cells (G) | $\dot{G} = -a_G G + (b_G - G) [\hat{B} * K^{BG+}] - (G + d_G) [\hat{A} * K^{AG-}]$ | G                      |
|                    |  |                        |

