

The parameters used in 'LGNcircuit' are related to the model in the paper 'Feedback and feedforward contributions to temporal signal processing in the lateral geniculate nucleus' as follows:

- eta_ffi - η_{ffi}
- tau_rg - τ_{rg}
- tau_rig - τ_{rig}
- Delta_rig - Δ_{rig}
- I_rON - λ_r^{ON}
- w_fbON - w_{fb}^{ON}
- w_fbOFF - w_{fb}^{OFFx}
- tau_rc - τ_{rc}
- Delta_fb - Δ_{fb}
- I_cON - λ_c^{ON}
- I_cOFF - λ_c^{OFF}

Here, $w_{fb}^{ON / OFFx} = w_{cr}^{ON / OFFx} w_{rc}^{ON / OFFx}$ and $w_{cr}^{ON / OFFx}$ is set to unity, hence, setting the value for $w_{fb}^{ON / OFFx}$ corresponds to setting the value for $w_{rc}^{ON / OFFx}$. Additionally, $\Delta_{fb} = \Delta_{cr}$ is used. These choices only affect the magnitude and latency of the plotted cortical response, not the LGN response.

Default values are set quite arbitrarily, and the I_rON value is set quite low, in order to see the LGN response without rectification in the default case.