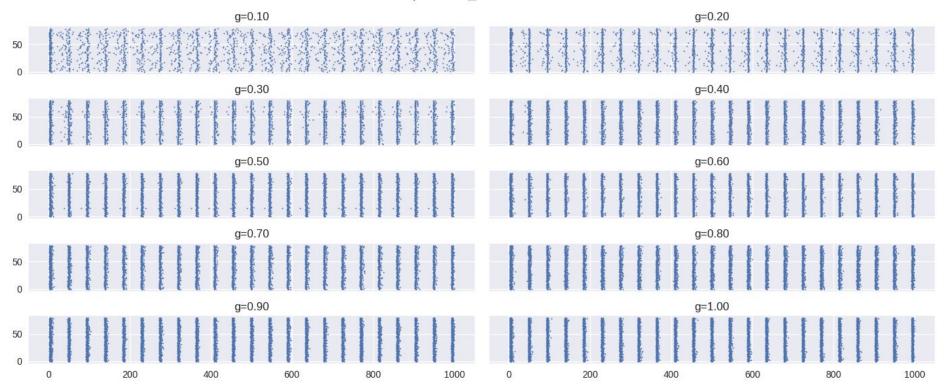
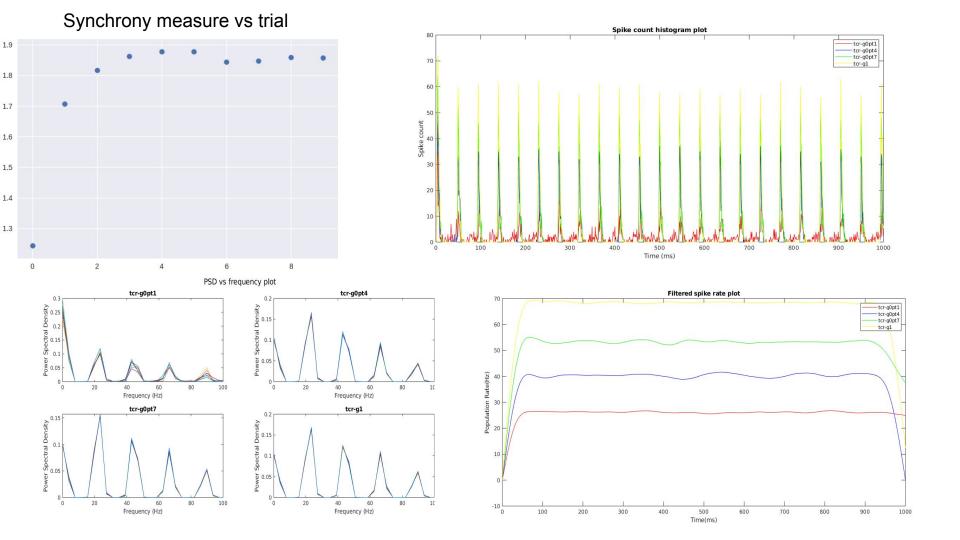
Simulating variation of spike synchrony and periodicity with synaptic conductance on sPyNNaker model of LGN

Increasing g from 0.1 to 1

Retina-TCR

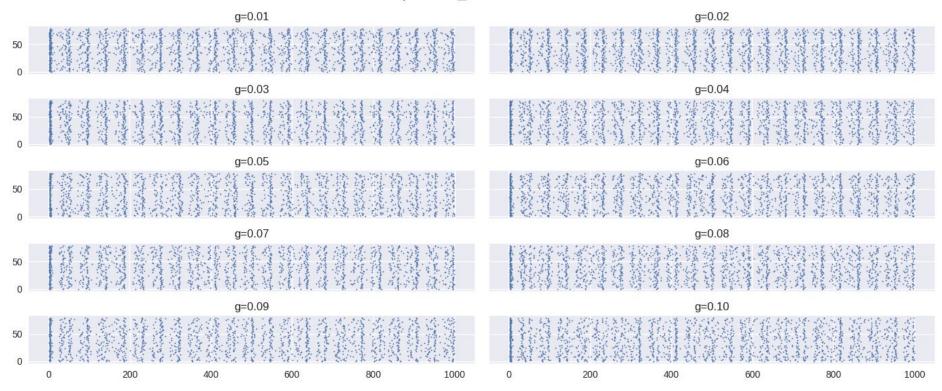
Raster plot - ret_tcr from 0.1 to 1

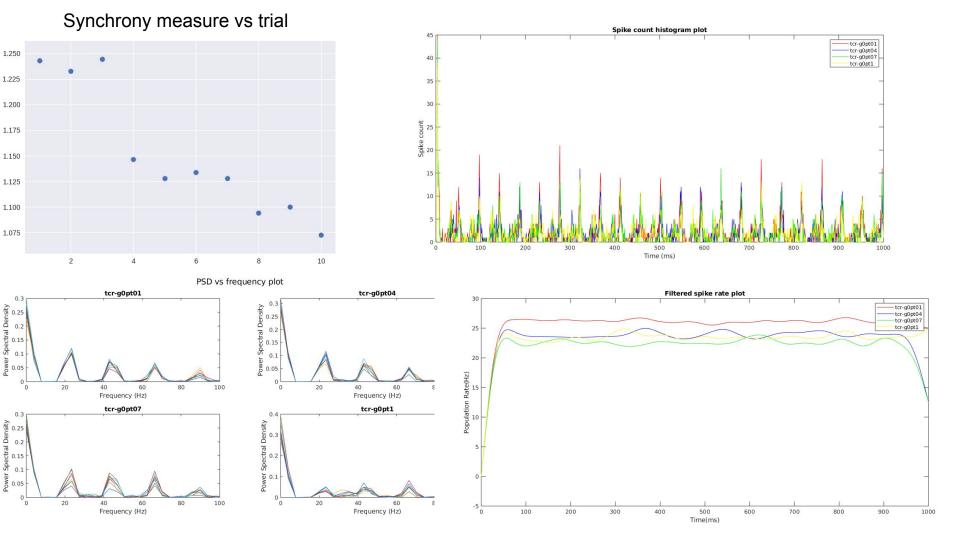




TRN-TCR Increasing g from 0.01 to 0.1

Raster plot - trn_tcr from 0.01 to 0.1

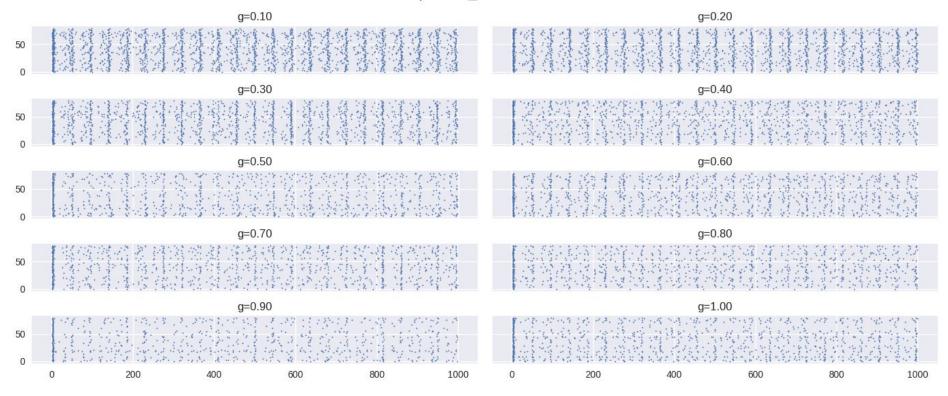


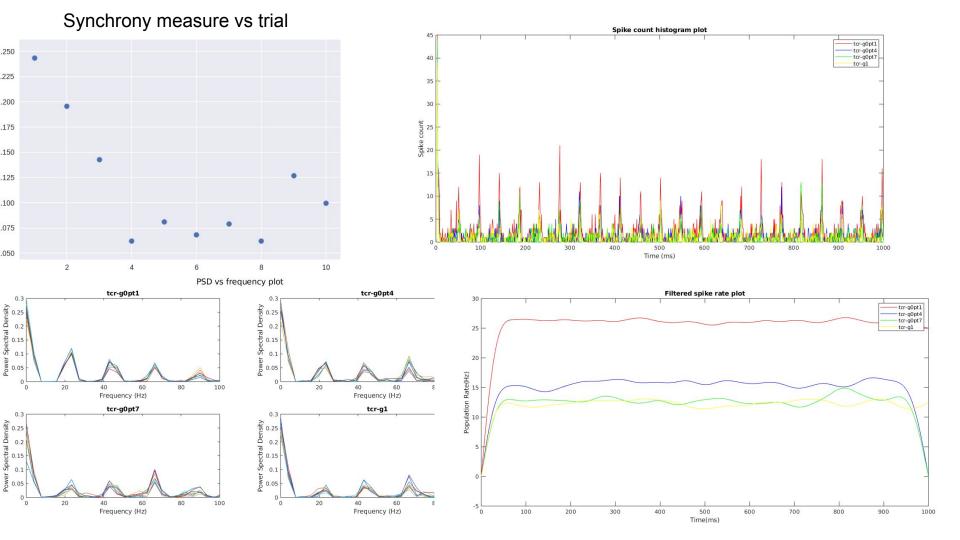


IN-TCR

Increasing g from 0.1 to 1

Raster plot - in_tcr from 0.1 to 1

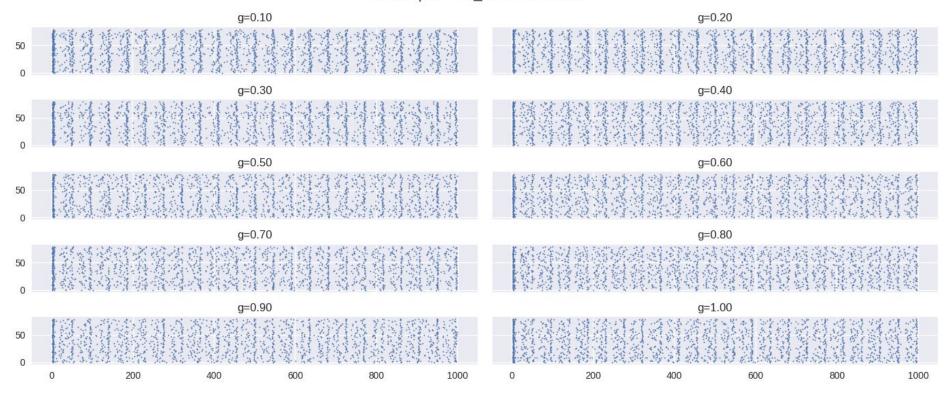


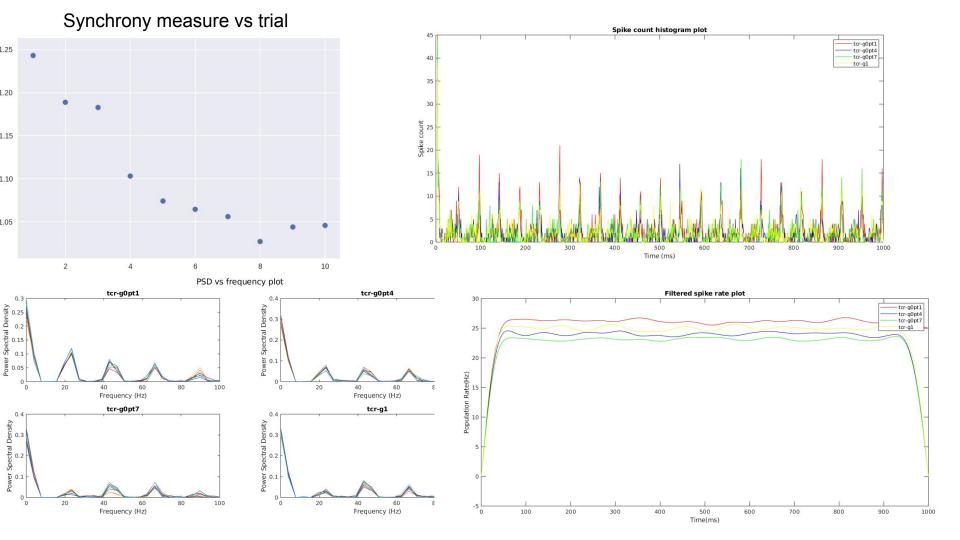


Increasing g from 0.1 to 1

Retina-IN

Raster plot - ret_in from 0.1 to 1

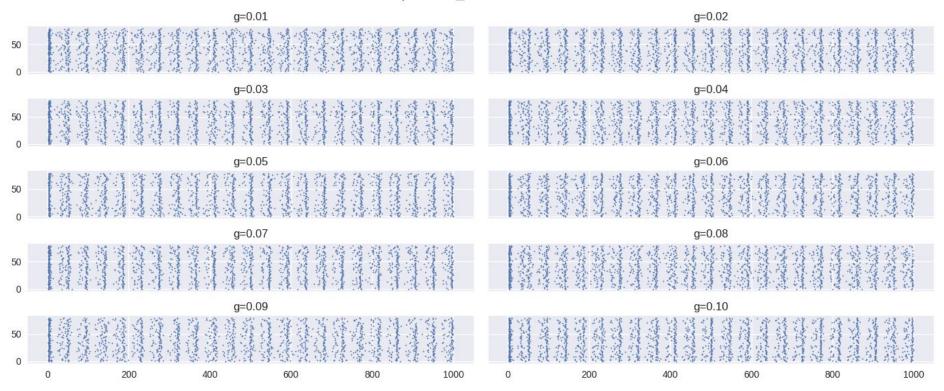


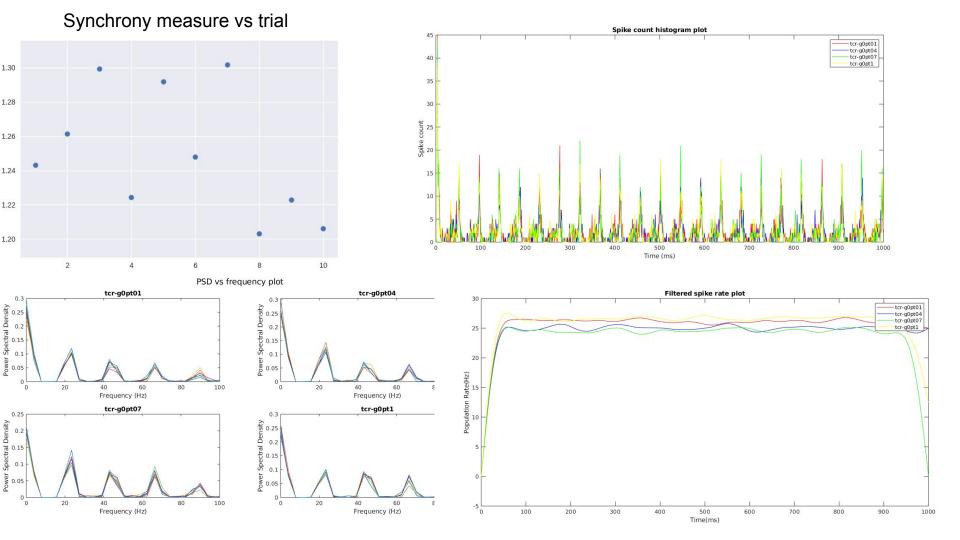


Increasing g from 0.01 to 1

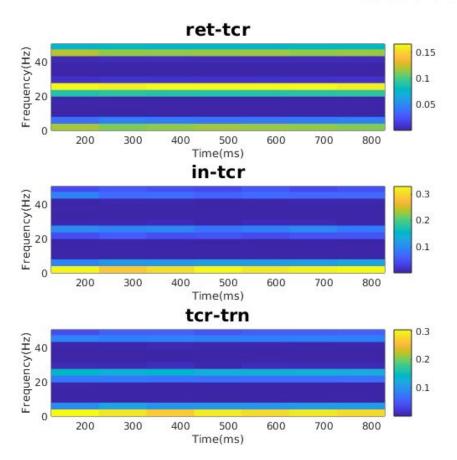
TCR-TRN

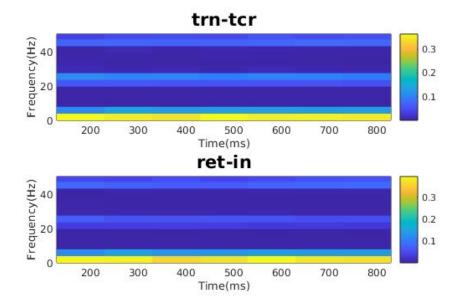
Raster plot - tcr_trn from 0.01 to 0.1





Concatenated PSD colormaps





References

- Synchrony measure: Khoshkhou and Montakhab (2018) [https://doi.org/10.3389/fncom.2018.00059]
- LGN model: Sen-Bhattacharya et al. (2017) [https://doi.org/10.3389/fnins.2017.00454]