Notes for pairwise spike-coherence analysis

..\Dropbox\MATLAB\PC MATLAB Path\AssemblyCode\Core\Pairwise coherence

PairwiseCoherence.m

* *Demo function and local batch processing for spike train coherence with Chronux’s ‘cohgrampt’ method.*
* *Limited to trial time cut-outs*
* *Post-hoc sorting by assembly membership classes*

PairwiseCoherenceBatch.m

* *Headless version for running remotely*
* *Limited to trial time cut-outs*
* *Band limited means taken after coherogram has been calculated*
* ***Raw coherograms are discarded***

PairwiseCoherenceFullRangeBatch.m

* ***As above but raw coherograms are retained***

PairwiseCoherenceFullRangeBatchInterOnly.m

* ***As above but exclusively examines inter-area pairs***

PairwiseCoherenceBatchPostHoc.m

* Post-hoc group analysis and plotting for batch analysis results

PairwiseCoherenceFullRangeBatchWholeTrial

* Constructs whole-trial cutouts (pre-cue to post-reward) to examine decoding in delay periods.

PairwiseCoherenceFullRangeBatchWholeTrial\_Posthoc

* As above but computes trial-averaged means to save space

PairwiseCoherence\_MetaAnalysis

* Loops across recording, gets stats