

Code for C. Allefeld, H. Atmanspacher, and J. Wackermann, Mental states as macrostates emerging from brain electrical dynamics. *Chaos*, 19(1):015102, 2009.

This Matlab code attempts to automatically identify metastable states (or “almost invariant sets”) as macrostates from data describing a microstate dynamics. The main function is `almostInvariant`; if the data are not already discretized, `discretize` can be used to do this. `transitionMatrix` and `pccap` are helper functions for `almostInvariant`. The example script demonstrates how to use the functions, and also uses `scatterbox` to plot the sample data.

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