

Accepted Manuscript

Title: Geometric classification of brain network dynamics via conic derivative discriminants

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PII: S0165-0270(18)30196-1

DOI: <https://doi.org/doi:10.1016/j.jneumeth.2018.06.019>

Reference: NSM 8041

To appear in: *Journal of Neuroscience Methods*

Received date: 10-10-2017

Revised date: 22-6-2018

Accepted date: 25-6-2018

Please cite this article as: Matthew F. Singh, Todd S. Braver, ShiNung Ching, Geometric classification of brain network dynamics via conic derivative discriminants, *Journal of Neuroscience Methods* (2018), <https://doi.org/10.1016/j.jneumeth.2018.06.019>

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Highlights for “Geometric classification of brain network dynamics via conic derivative discriminants”

- A new classifier decodes task states using the time evolution of neural data
- Information about time evolution is extracted from the derivatives of signals
- The classifier compares derivative covariance to decode cognitive states
- The classifier outperforms current methods in decoding spatial attention from EEG
- The method reveals retinotopy and new temporal markers of spatial attention

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