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4. SYNERGETIC ANALYSIS OF SPATIO-TEMPORAL EEG PATTERNS R. Friedrich, A. Fuchs and H. Haken Institut fur Theoretische Physik und Synergetik

### **4. SYNERGETIC ANALYSIS OF SPATIO-TEMPORAL EEG PATTERNS**

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Spatio-temporal decomposition of the electroencephalogram in ... spectral analysis and spatio-temporal ... Analysis of EEG signal ...

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SPATIO-TEMPORAL MODELLING AND ANALYSIS OF EPILEPTIFORM EEG A thesis submitted to the University of Manchester for the degree of Doctor of Philosophy

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### **Computational Modelling of Spatio-Temporal EEG**

ELSEVIER Physica D 98 (1996) 171-182 PHYSICA Spatio-temporal analysis of human electroencephalograms: Petit-mal epilepsy R. Friedrich \*, C. Uhl Institut fiir ...

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INFERENCE OF BRAIN MENTAL STATES FROM SPATIO-TEMPORAL ANALYSIS OF EEG SINGLE TRIALS Yehudit Hasson-Meir, Andrey Zhdanov The Balvatnik School of Computer Science, Tel ...

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Spatialâ€“temporal reasoning is an area of ... spatio-temporal calculi have been ... Constraint propagation algorithms for temporal reasoning: A Revised Report (PDF).

### **Spatialâ€“temporal reasoning - Wikipedia**

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A hybrid algorithm for solving the EEG inverse problem from spatio-temporal EEG data ... Keywords EEG source analysis Space mapping

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Bayesian M/EEG source reconstruction with spatio-temporal priors ... analysis framework for M/EEG that is

very similar to that used in PET and fMRI.

### **Bayesian M/EEG source reconstruction with spatio-temporal**

1. Biol Cybern. 2001 Jul;85(1):1-17. Synergetic analysis of spatio-temporal EEG patterns: Alzheimer's disease. Kim H(1), Kim S, Go H, Kim D.

### **Synergetic analysis of spatio-temporal EEG patterns**

Macrostate and Microstate of EEG Spatio-Temporal Nonlinear Dynamics in Zen Meditation ... authorized the usage of their data for the scientific analysis.

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an analysis framework for M/EEG that is very similar to that used in fMRI. ... once only using a spatio-temporal deconvolution rather than separately for each

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Spatio-temporal common pattern: A companion method for ERP analysis in the time domain Marco ... that EEG oscillations with non-zero mean may cause a baseline

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Spatio-Temporal Analysis in Functional Brain Imaging by Wanmei Ou ... (EEG) and magnetoen- ... spatio-temporal models into the reconstruction procedure.

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The vectorization of EEG streams would lose spatio-temporal information and give a ... network structure with spatiotemporal EEG analysis will be indispensable. B.

### **PDF - arXiv**

Spatio-Temporal Tensor Analysis for Whole-Brain fMRI Classi cation Guixiang Ma 1, Lifang He2, Chun-Ta Lu , Philip S. Yu1;3, Linlin Shen2y, and Ann B. Ragin 4

### **Spatio-Temporal Tensor Analysis for Whole-Brain fMRI**

EEG Based Inference of Spatio-Temporal Brain Dynamics. ... PDF-document. By the same authors. EEG source imaging assists decoding in a face recognition task.

### **EEG Based Inference of Spatio-Temporal Brain Dynamics**

r Human Brain Mapping 30:1898â€“1910 (2009) r EEG Source Imaging With Spatio-Temporal Tomographic Nonnegative Independent Component Analysis Pedro A. ValdeÃ’s-Sosa, 1 ...

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Interpretable Deep Neural Networks for Single-Trial EEG Classification ... linear tool for EEG analysis. ... of a spatio-temporal EEG epoch for the classification ...

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Standardized Shrinking LORETA-FOCUSS (SSLOFO): A New Algorithm for Spatio-Temporal EEG Source Reconstruction Hesheng Liu, Member, ... spatio-temporal analysis. I.

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We present a new algorithm for maximum likelihood convolutive independent component analysis ... convolutive mixing may be a more realistic model for EEG ...

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The spatio-temporal mapping of epileptic networks: Combination of ... ESI and EEG-fMRI analysis may be able ... spatio-temporal mapping of epileptic networks: ...

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function, meaningful EEG analysis still remains a challenging ... the Spatio-Temporal Dynamics of the Scalp Electroencephalogram Luca Faes\*, Daniele Marinazzo, ...

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