

Integrated Experimental Proposals for Alpha Space Theory

Experimental Determination of Monopole Charge Density and Current Parameters

Methods to determine monopole parameters (ρ_m , J_m) through EEG/fMRI integration and computational modeling, validating via cognitive-behavioral correlations.

Experimental Estimation of Monopole Parameters via Superconductor Quenching Events

Utilizing superconductors at critical entropy points, measuring energetic quench events, and applying computational models to estimate monopole dynamics.

Enhanced Use of TMS Guided by Alpha Space Theory

Applying precise TMS coil orientations guided by EEG entropy metrics and monopole flux pathways to modulate neural objective functions dynamically.

Modulating Neural Objective Functions Using External Magnetic Fields and TMS

Rodent-based experimental setup using TMS and EEG/neural recordings to modulate objective functions under entropy saturation conditions.

Detecting Entropy Saturation via EEG and fMRI: Integration with Modified Maxwell Equations

Employing EEG/fMRI to identify entropy saturation periods, integrating these findings with computational monopole field predictions.

Experimental Psychology and Neuroscience Approach to Alpha Space Objective Functions

Characterizing neural objective functions empirically through cognitive tasks, entropy state monitoring, and validating via neural-cognitive correlations.