Dr. [Editor’s Name]

Editor-in-Chief

*Vision Research*

Dear Dr. [Editor’s Last Name],

We are pleased to submit our manuscript entitled *“Neural responses to binocular in-phase and anti-phase stimuli”* for consideration for publication in *Vision Research*.

This study investigates the neural basis of binocular combination using Steady-State Visually Evoked Potentials (SSVEPs) recorded under a range of spatial and temporal phase relationships. By systematically varying stimulus conditions, we test and refine predictions from contemporary computational models of binocular vision.

A key contribution of our work is the computational approach: we develop a hierarchy of models, beginning from simple linear summation and progressing to a two-stage contrast gain-control framework with parallel monocular and binocular channels. This systematic model-building approach, grounded in first principles, provides a powerful and flexible account of our data. Notably, we demonstrate that monocular responses persist in neural signals under binocular viewing conditions, a finding that can only be explained when parallel monocular channels are incorporated into the model.

We believe this work will be of broad interest to *Vision Research* readers, as it advances our understanding of binocular combination mechanisms and highlights the value of computational modeling in bridging psychophysical and neurophysiological evidence.

The manuscript has not been published elsewhere and is not under consideration by another journal. All authors have approved the submission. We have no conflicts of interest to declare.

Thank you for considering our work. We look forward to your evaluation and would be happy to provide any additional information if needed.

Sincerely,

Bruno Richard

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On behalf of all authors