

# UC Berkeley

## UC Berkeley Previously Published Works

**Title**

MODELING CONSCIOUSNESS

**Permalink**

<https://escholarship.org/uc/item/70k3x07s>

**Journal**

New Mathematics and Natural Computation, 05(01)

**ISSN**

1793-0057 1793-7027

**Author**

TAYLOR, J. G.

**Publication Date**

2009-03-01

**DOI**

10.1142/S1793005709001180

**Copyright Information**

This work is made available under the terms of a Creative Commons Attribution License, available at <https://creativecommons.org/licenses/by/3.0/>

Peer reviewed

The abstract for this article is from the **Special Issue on Neurodynamic Correlates of Higher Cognition and Consciousness: Theoretical and Experimental Approaches - in Honor of Walter J Freeman's 80th Birthday Part I: Theoretical and Experimental Aspects of Higher Cognitive Functions** was provided by World Scientific.

Access to World Scientific is possible through the publisher's website:  
<http://www.worldscientific.com/worldscinet/nmnc>

The Table of Contents for the online version of this journal is available at the publisher's website:  
<http://www.worldscientific.com/toc/nmnc/05/01>

**MODELING CONSCIOUSNESS**

*J. G. TAYLOR*

DOI: 10.1142/S1793005709001180

J. G. TAYLOR, *New Math. and Nat. Computation*, **05**, 31 (2009). DOI: 10.1142/S1793005709001180

## **MODELLING CONSCIOUSNESS**

This paper is dedicated to Walter Freeman in honor of his 80th year on this planet and for his many years of extreme rigor and intellectual achievement in the field of brain science.

J. G. TAYLOR

Department of Mathematics, King's College, Strand, London WC2R2LS, UK

We present tentative answers to three questions: firstly, what is to be assumed about the structure of the brain in attacking the problem of modeling consciousness; secondly, what is it about consciousness that is attempting to be modeled; and finally, what is taken on board the modeling enterprise, if anything, from the vast works by philosophers about the nature of mind.

**Keywords:** Inner self; attention; attention copy; pure consciousness; reflective self; immunity to error