

## How much light energy change can cause the variation of Radin's double-slit fringe?

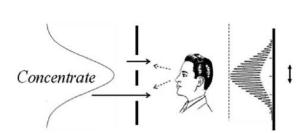
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Psychophysical interactions with a double-slit interference pattern

Dean Radin, 1, a) Leena Michel, 1 James Johnston, 2 and Arnaud Delorme 3

Relax



Radin's model: a 3:1 asymmetry of the slit's light field

Piao's model: a slight asymmetry of the spectral bandwidth of the light

Asymmetries: bandwidth Asymmetry of 0.00205nm0.0037nm0.0047nm0.00223nm

The fringe changes corresponding to the two types of asymmetries are indistinguishable by the fringe-visibility alone .

The asymmetry of Piao's model takes <1/100,000 of the light-power change as that of Radin's model

If you are interested in sponsoring experimental studies,
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