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## The ghostly gaze of science

General Science / Other



An award-winning visual illusion developed by university psychologists will be shown as part of this year's Glasgow Science Festival on 15 June.

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The illusion plays on the way our minds decipher the direction of an individual's gaze. From a distance the two figures in the Ghostly Gaze image appear to be looking at each other but as the image gets larger the figures appear to be looking straight ahead.

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University of Glasgow lecturer in Psychology, Rob Jenkins, said: "Gaze direction is an important cue in social interactions. In most circumstances we are very accurate in judging where other people are looking, but under some conditions normal gaze perception can be led astray.

"The technique I used to create the image involves blending the fine detail from one photo with the broad strokes of a conflicting photo. Which photo is dominant then depends on the viewing distance. The illusion helps us to understand eye contact, and the sense of being stared at."

The illusion won second prize in the 2008 Visual Illusion of the Year Award run by the Neural Correlate Society. Rob Jenkins, was presented with the award, designed by renowned Italian sculptor Guido Moretti, at a ceremony in Florida.

For more details on the award and the winning illusions visit <http://illusioncontest.neuralcorrelate.com/>

Source: University of Glasgow

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Posted by [Mike Mariani MD, FAAP](#) 05/28/08 18:50   
Rank: 1.83/5 after 6 votes

This "illusion" is not at all evident in the images presented. Can it be so subtle that it is inapparent to me, or does one have to be several feet away in order to perceive this? Regardless, this is not impressive.

Posted by [D666](#) 05/28/08 19:01   
Rank: 4.83/5 after 6 votes

You have to be several feet away. I have a rolling chair, so it was easy to test. From 5 ft, they appear to be looking at each other, from normal viewing distance, not so much. The illusion is caused by inappropriate shading of the eyeballs which dominates the picture at a longer distance. No biggie.

Posted by [KB6](#) 05/29/08 06:07   
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What's cool is if you look at it like you would look at a "magic eye" 3d picture. You get three faces, with the middle one staring right at you.

Posted by [superhuman](#) 05/29/08 09:25   
Rank: 1/5 after 1 vote

Yeah, usually the relatively darkest part of the eyeball is pointing (usually its pupil) in the direction of the look, their eyes are just shaded wrong.

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