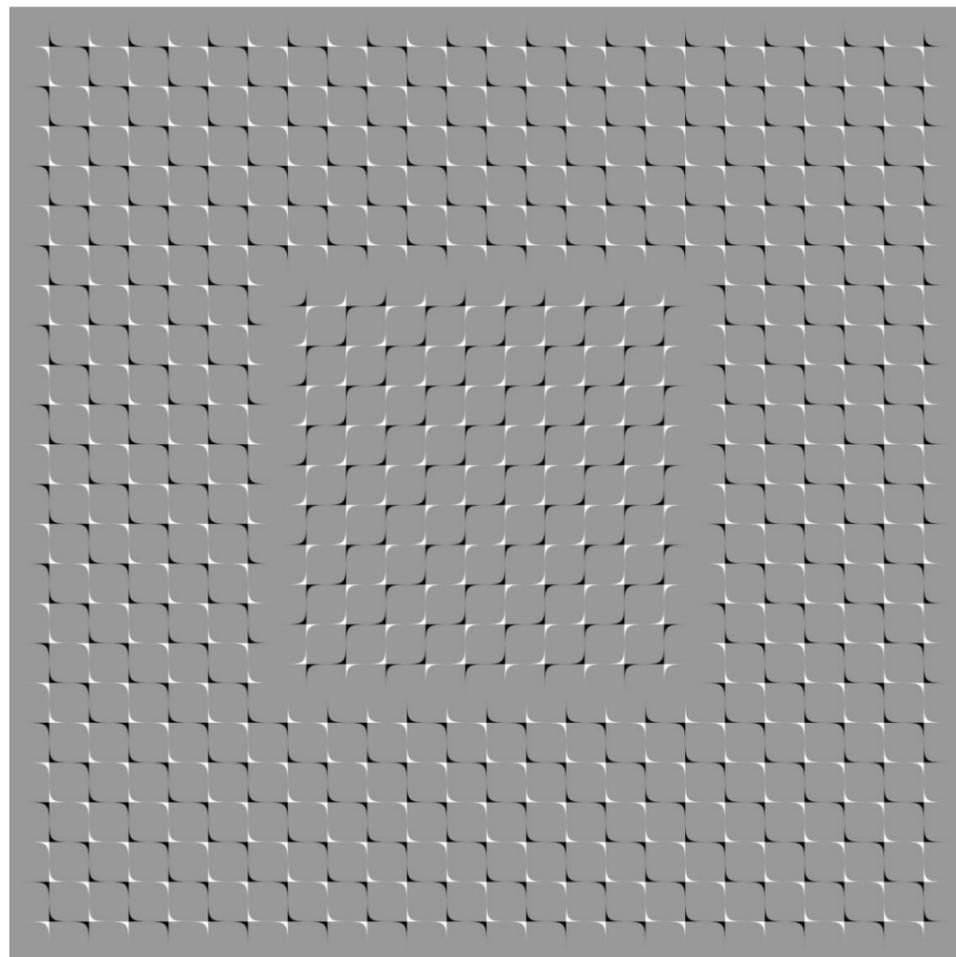
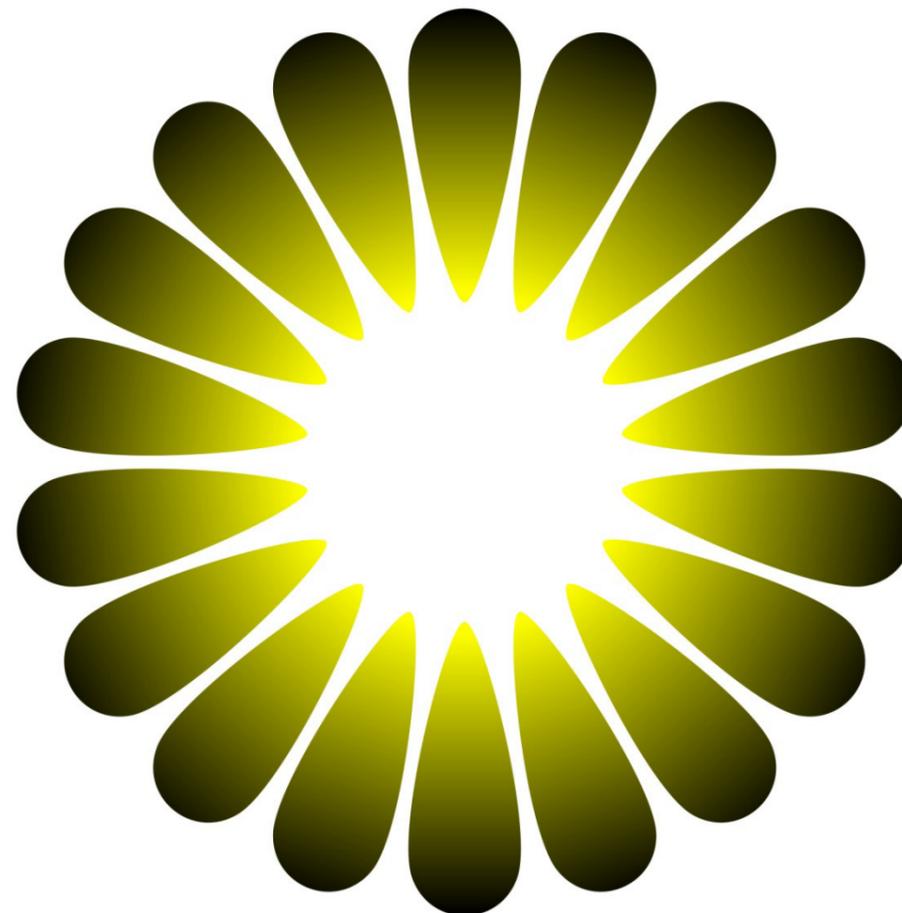


Archives of visual illusion images

Akiyoshi Kitaoka, Ritsumeikan University, Kyoto, Japan



The inset appears to drift (spine drift illusion).



The center appears to shed light (kind of visual phantoms).



31st International Congress of Psychology will be held in Yokohama, Japan in 2016.
<http://www.icp2016.jp/index.html>

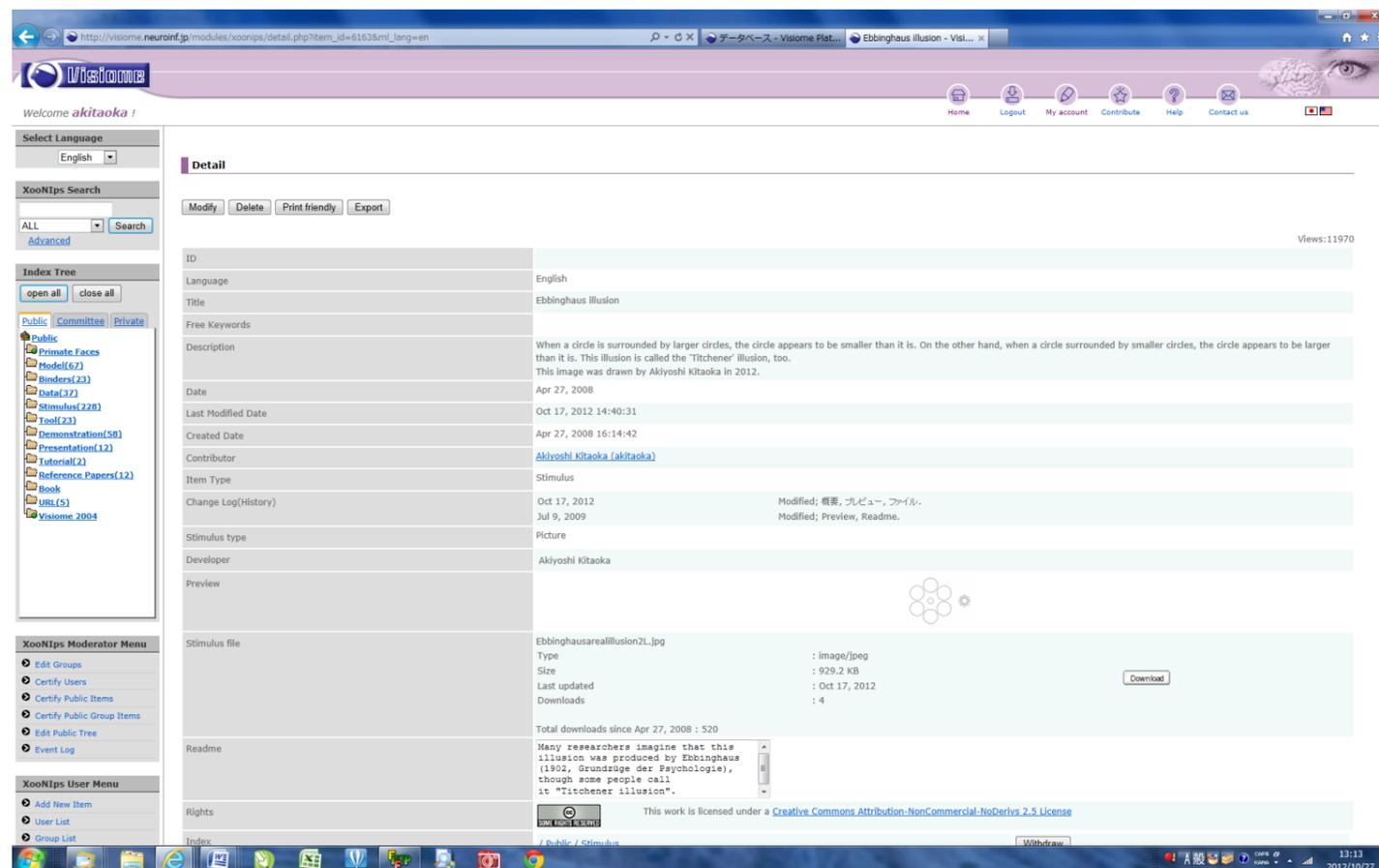
Striped letters appear to move (stripe drift illusion).

These three images are registered in: http://visiome.neuroinf.jp/modules/xoonips/detail.php?item_id=6950

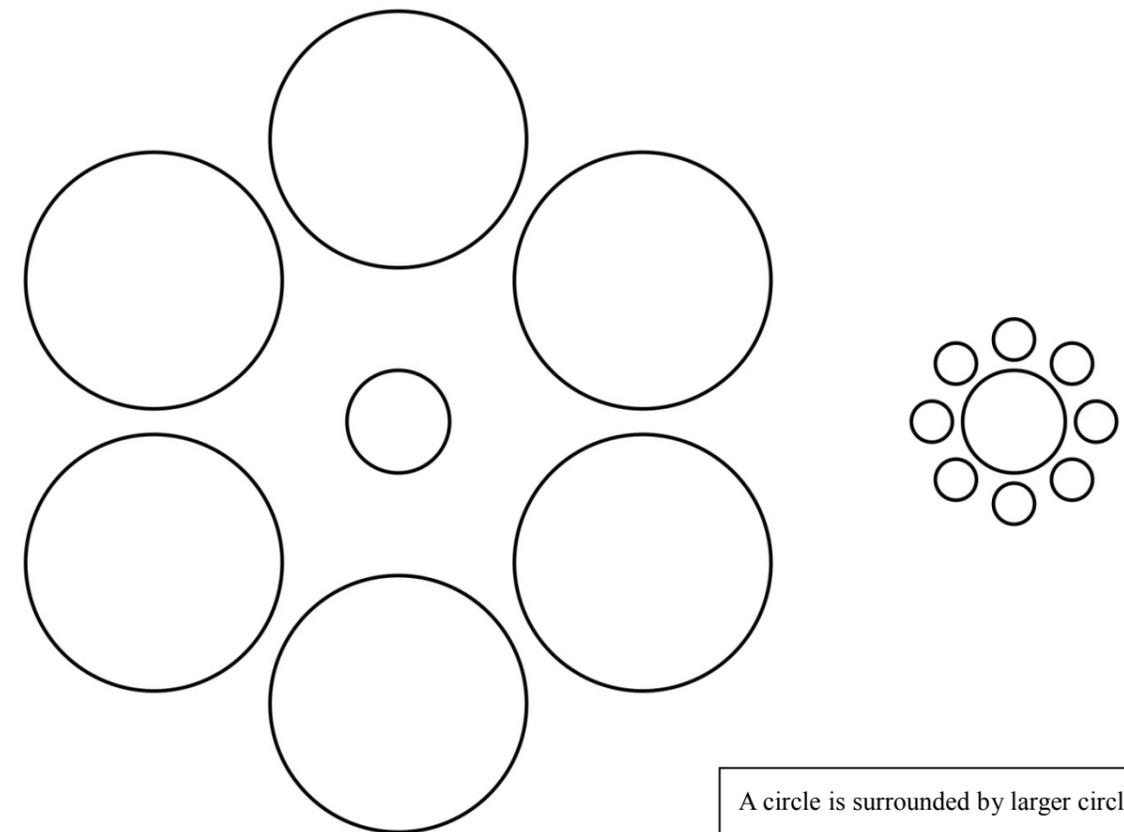
1. Archives of basic images

Purpose: Basic images of visual illusions and brief information are registered to allow users to show visual illusions in a variety of situations.

Example: Until October 27, 2012, the Ebbinghaus illusion page (#6163) received 11,970 access and 520 downloads since April 27, 2008.



The screenshot shows a web browser window displaying the Xoonips website. The page title is "Ebbinghaus Illusion - Vist...". The main content area shows the details of the "Ebbinghaus Illusion" item, including its ID, language (English), title, description, date, and contributor (Akiyoshi Kitaoka). The description states: "When a circle is surrounded by larger circles, the circle appears to be smaller than it is. On the other hand, when a circle surrounded by smaller circles, the circle appears to be larger than it is. This illusion is called the 'Titchener' illusion, too. This image was drawn by Akiyoshi Kitaoka in 2012." The page also shows a preview of the illusion and a download button for the stimulus file "Ebbinghausareallillusion2L.jpg".



A circle is surrounded by larger circles appears to be smaller than the circle of the same size that is surrounded by smaller circles.

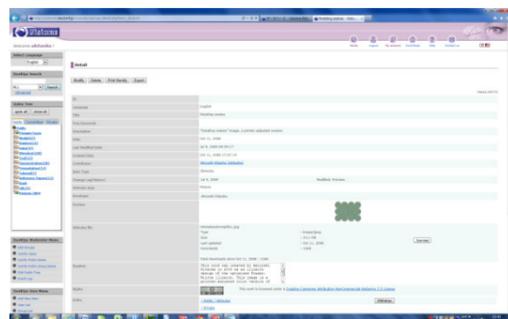
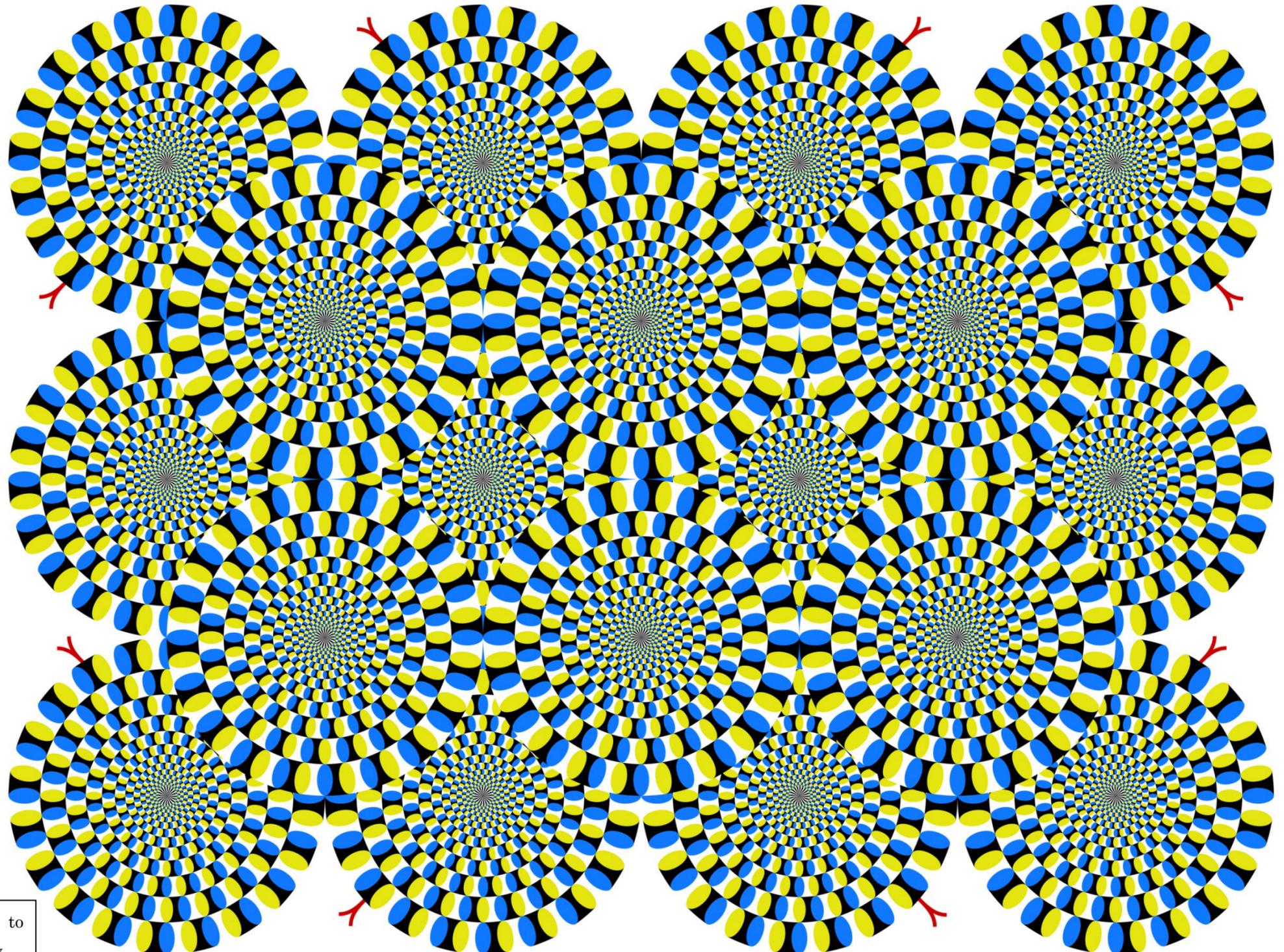
Problem: There are so many visual illusions that it is important how to select.

2. Archives of illusion designs

Purpose: Popular visual illusion designs are registered to allow users to use them for educational, research or personal purpose.

Example: Until October 27, 2012, the “Rotating snakes” page (#6291) received 11,970 access and 1,568 downloads since October 11, 2008.

Problem: There are so many visual illusion designs that it is important how to select.

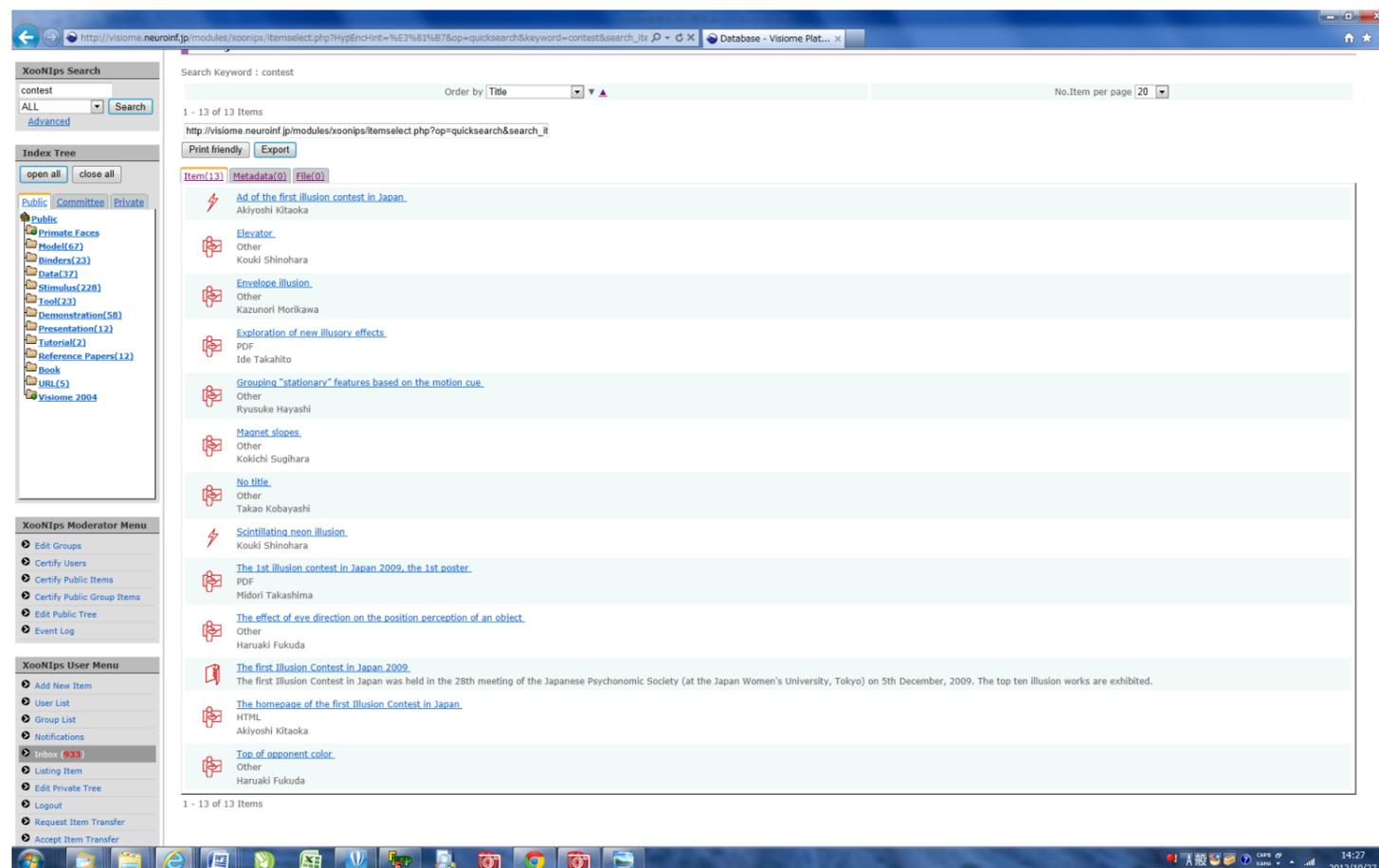


Each disk appears to rotate spontaneously.

3. Archives of illusion events

Purpose: Events mentioning visual illusions or exhibiting illusion works are registered to record them.

Example: Prize-winning illusion works of the 1st, 2nd and the 3rd Illusion Contest in Japan were recorded.



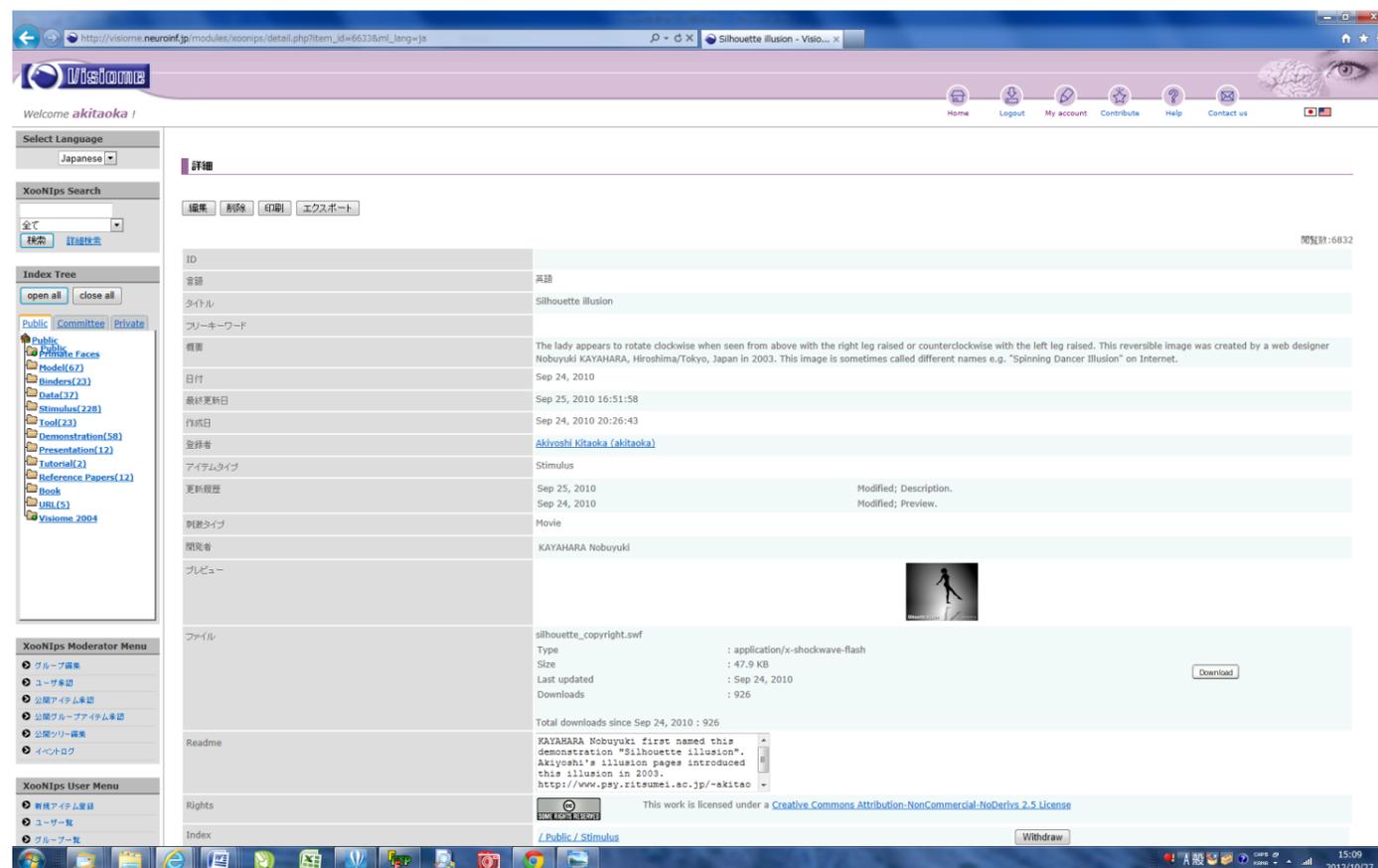
The right eye appears to be bluish, but it is physically the same gray as the left eye.

Problem: It takes time and much effort to obtain permission and to register such images.

4. Archives of illusions for authorization

Purpose: Visual illusions, illusion designs or movies which are not well identified, are registered to authorize them.

Example: The original movie of the Silhouette illusion (kind of reversible image) produced by a designer Nobuyuki Kayahara, was recorded to make sure for users to write credit.



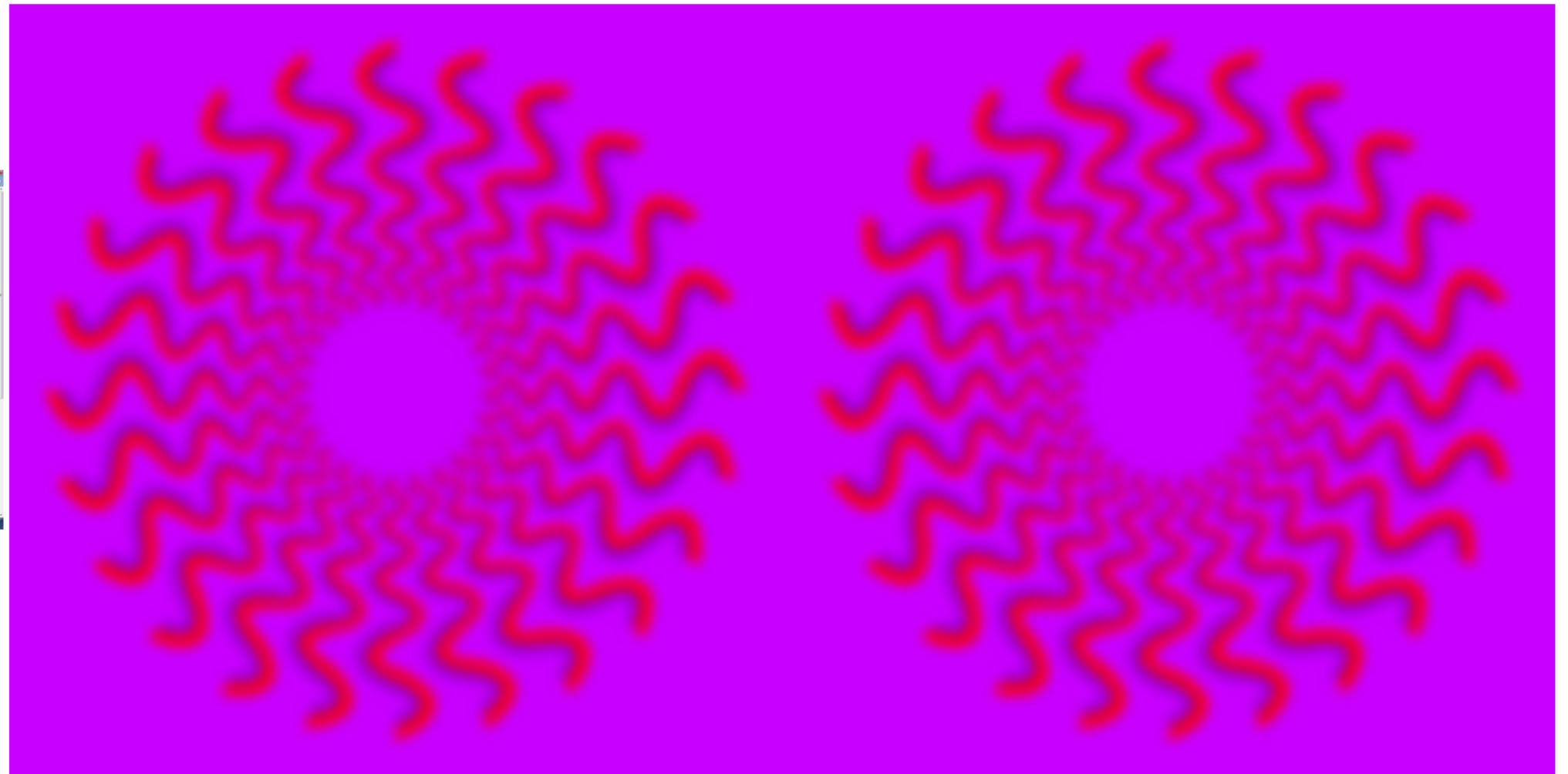
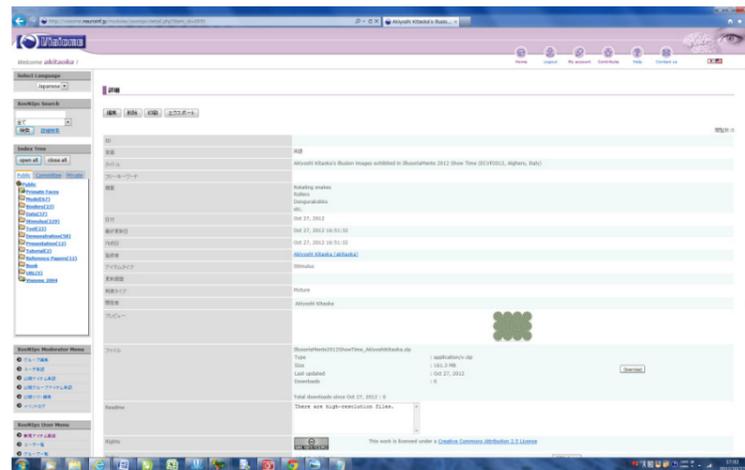
Cited: Troje, N. F. and McAdam, M. (2010) The viewing-from-above bias and the silhouette illusion. *i-Perception*, 1, 143-148.

Problem: There are many illusion works which may need authorization, so it is important how to select.

5. Archives of presentations

Purpose: Presentations or exhibitions of visual illusions are registered to record them.

Example: Kitaoka's illusion works exhibited in the IllusoriaMente Exhibition Show Time 2012 (ECVP2012, Alghero, Italy) are recorded.



“Fudo-myō-o”, produced by Akiyoshi Kitaoka in 2011 as an artwork of the ‘optimized’ Fraser-Wilcox illusion Type V. Each disk appears to rotate clockwise Type V had been presented by Shaul Baskin before 2005 when Kitaoka realized his images (Wezit Research Group: <http://www.visnsoft.com/>).

Also see: Yanaka, K., Hilano, T., and Kitaoka, A. (2012) Modification of each color component and shaking to enhance optimized Fraser-Wilcox Illusions. Poster presentation, ECVP2012, Alghero, Italy, September 3, 2012.

Problem: Visiome would be a mess if many people did so:)