Twitter Thread by Steve Stewart-Williams

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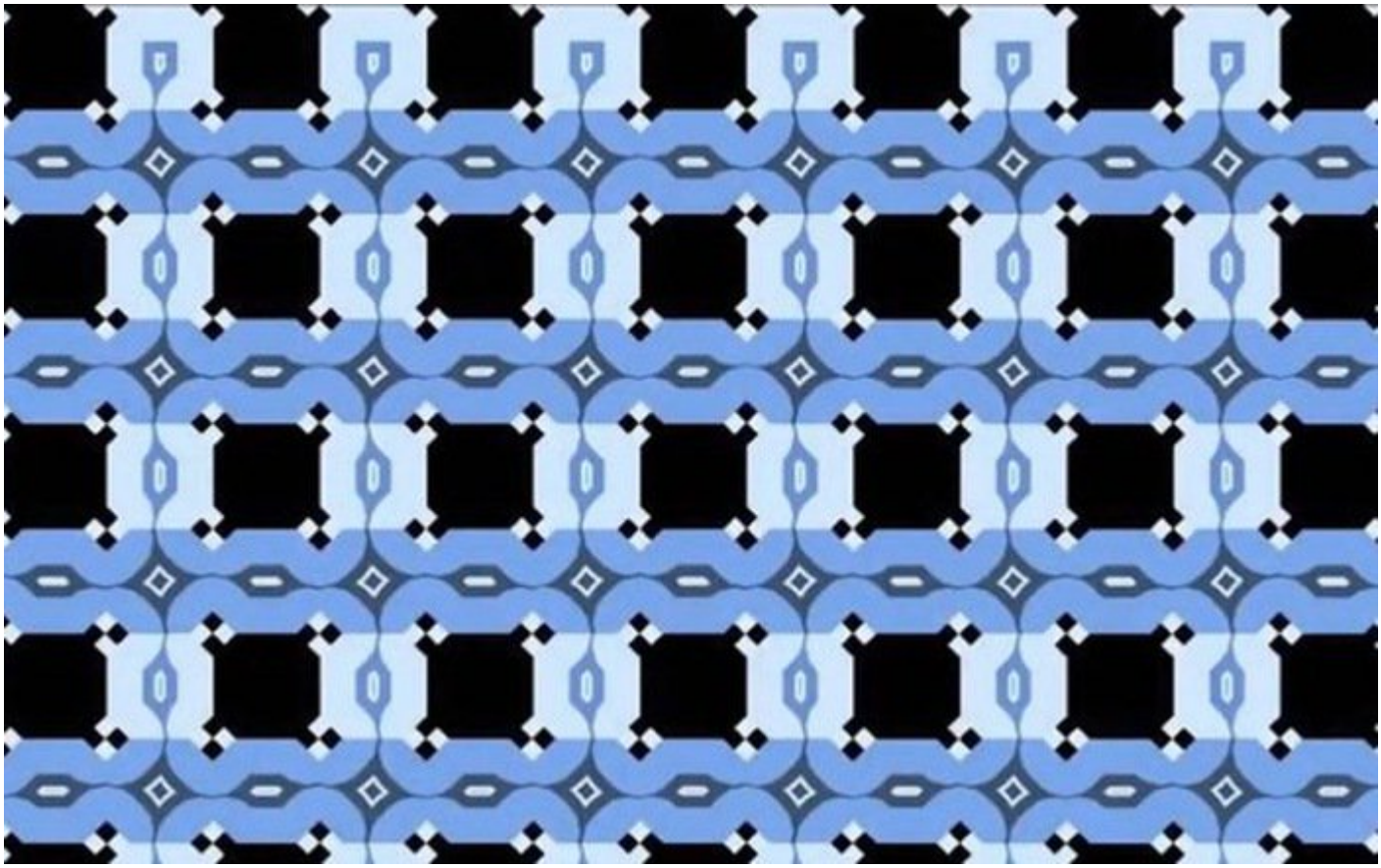
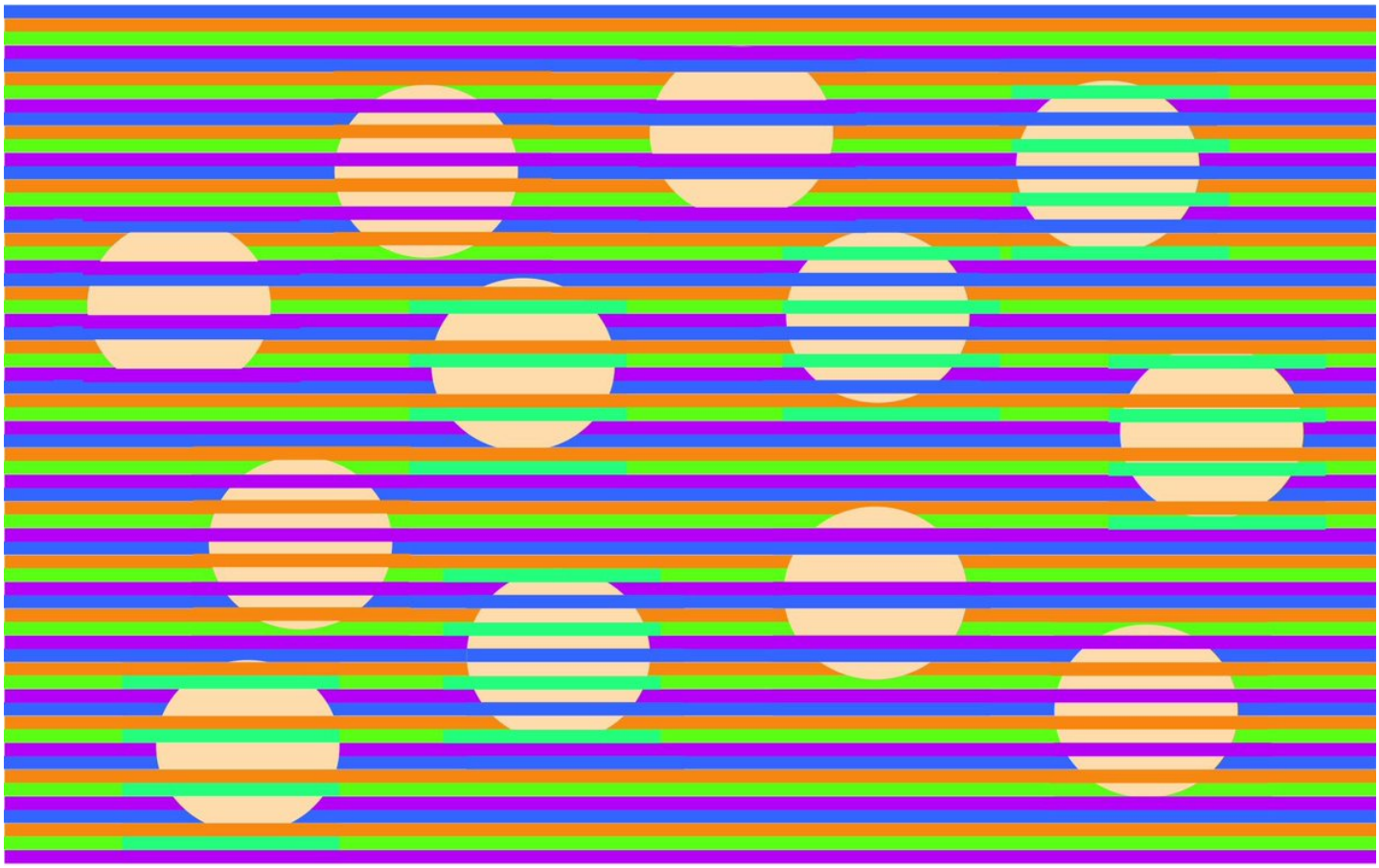
THREAD: My Top 12 Favourite Perceptual Illusions

1. A great example of how expectations guide perception.

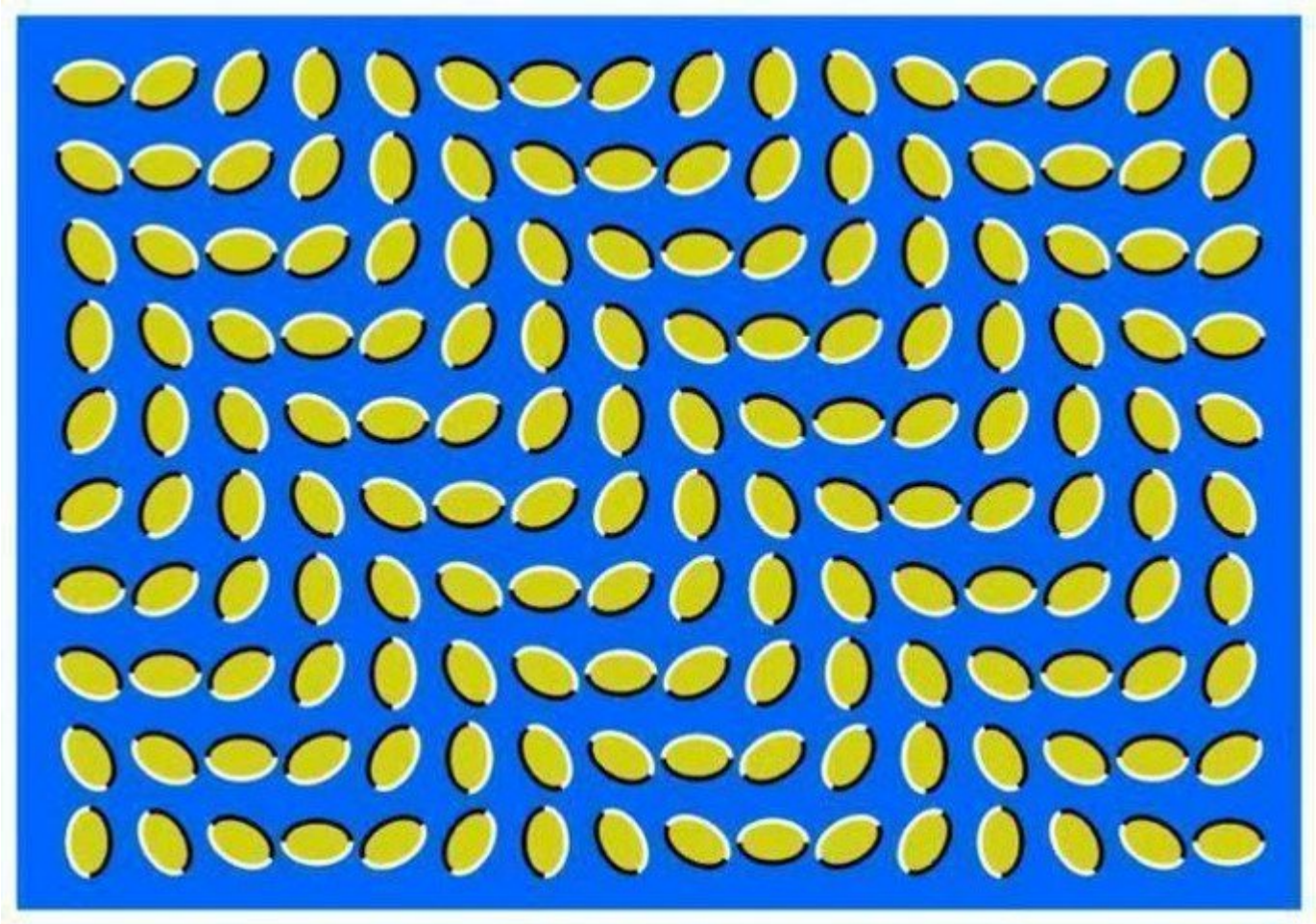
2. The horizontal lines in this image are all parallel. https://t.co/Y0o0hd8R15 HT @victoria1skye



3. The circles in this image are all the same colour. https://t.co/H4Prys8l0n

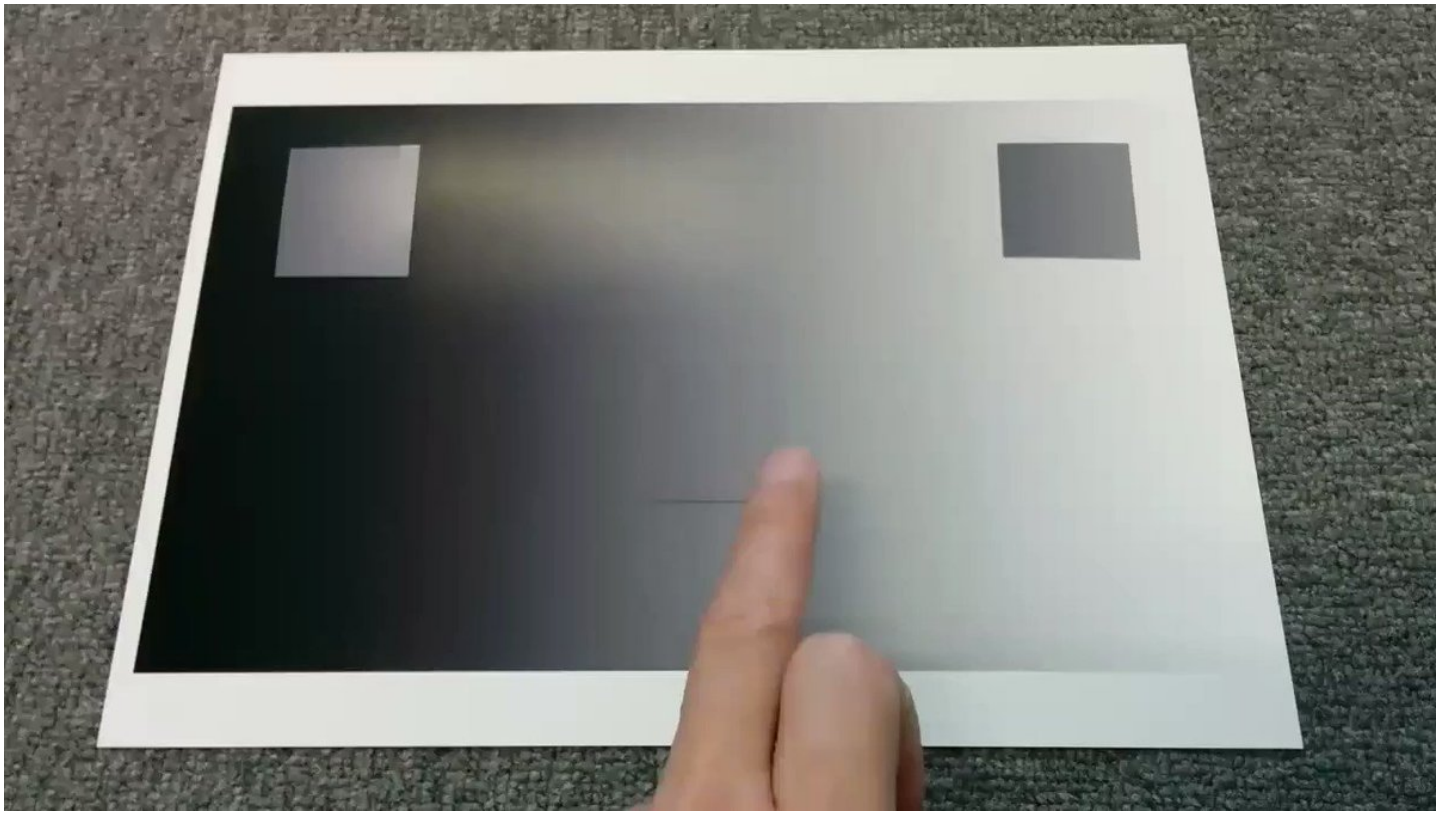


4. This isn't a GIF – the movement is all in your head.



5. This looks two photos of the same road, taken from different angles. But it’s just the same photo twice. https://t.co/pdq0iRynFw

6. We don't directly perceive how light or dark objects are; the perceptual system makes an educated "guess" based on the lightness or darkness of the surroundings. https://t.co/C8VwDBJbYx HT @AkiyoshiKitaoka



> A demo of lightness perception pic.twitter.com/BSVpgcuIw1
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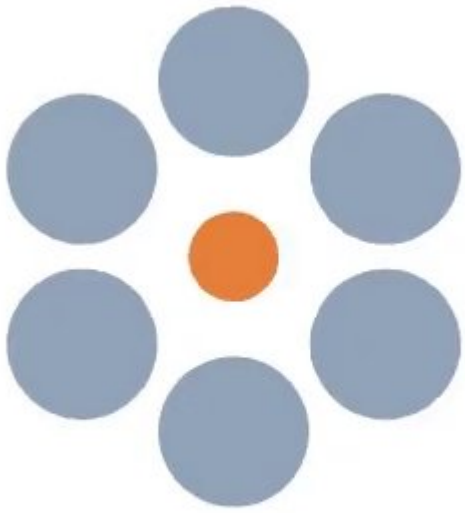
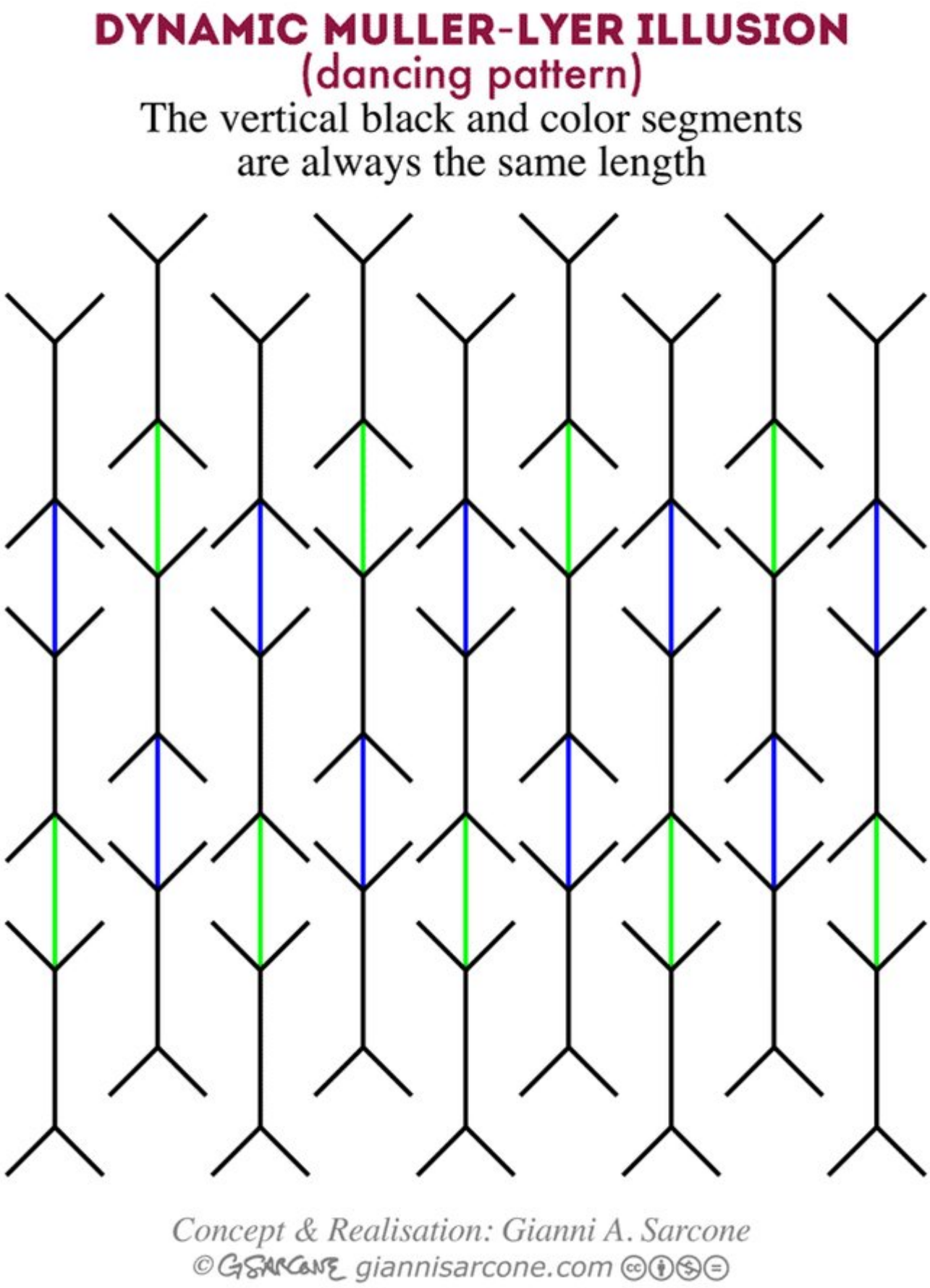
> — Akiyoshi Kitaoka (@AkiyoshiKitaoka) August 12, 2018

7. The Dynamic Ebbinghaus: The orange circle doesn't change size. https://t.co/wReYo1466M

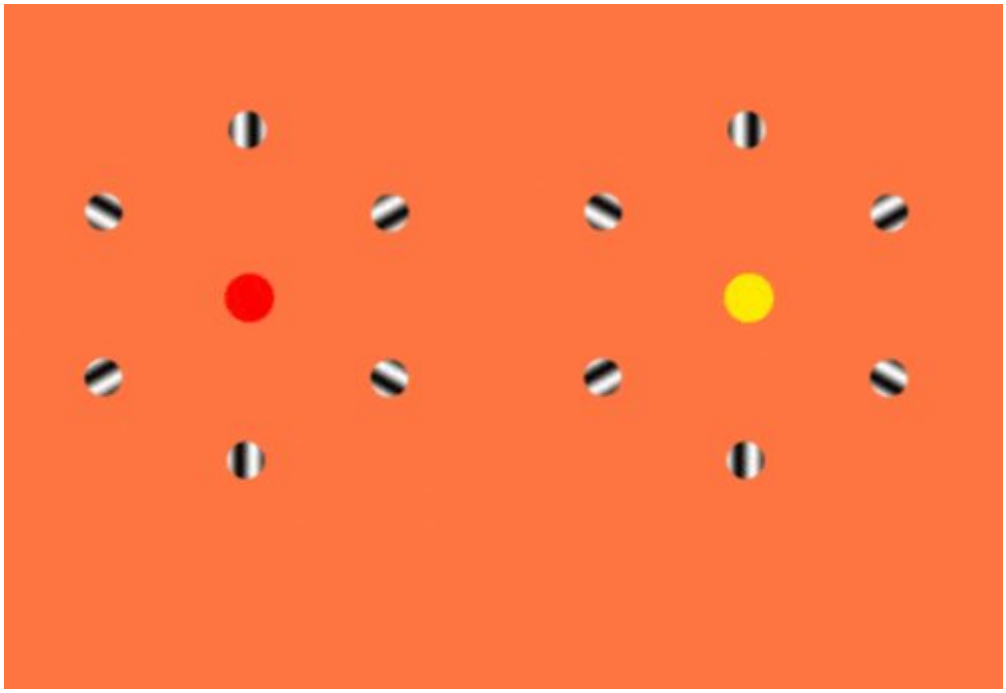


8. The Dynamic Müller-Lyer Illusion: The vertical black, green, and blue lines don't change size. https://t.co/bDyeOKXgbC



9. You can make the train change direction. https://t.co/n8AzuhJx26

10. Rotating Rings: Every time you switch from looking at one wheel to looking at the other, they both change direction. https://t.co/IdAQGgXsJi



11. The Spinning Dancer https://t.co/3GAwtsnVAL

If you look at the dancer on the left and the one in the middle, the one in the middle spins clockwise.

If you look at the dancer on the *right* and the one in the middle, the one in the middle spins counterclockwise.

12. Stare at the centre of the top image for 20 seconds then look at the bottom image...