

Computer Vision

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What's Computer Vision

Computer Vision vs. Computer Graphics

電腦視覺

計算機圖學

Every picture tells a story



Goal of computer vision is to write computer programs that can interpret images

Can computers match (or beat) human vision?



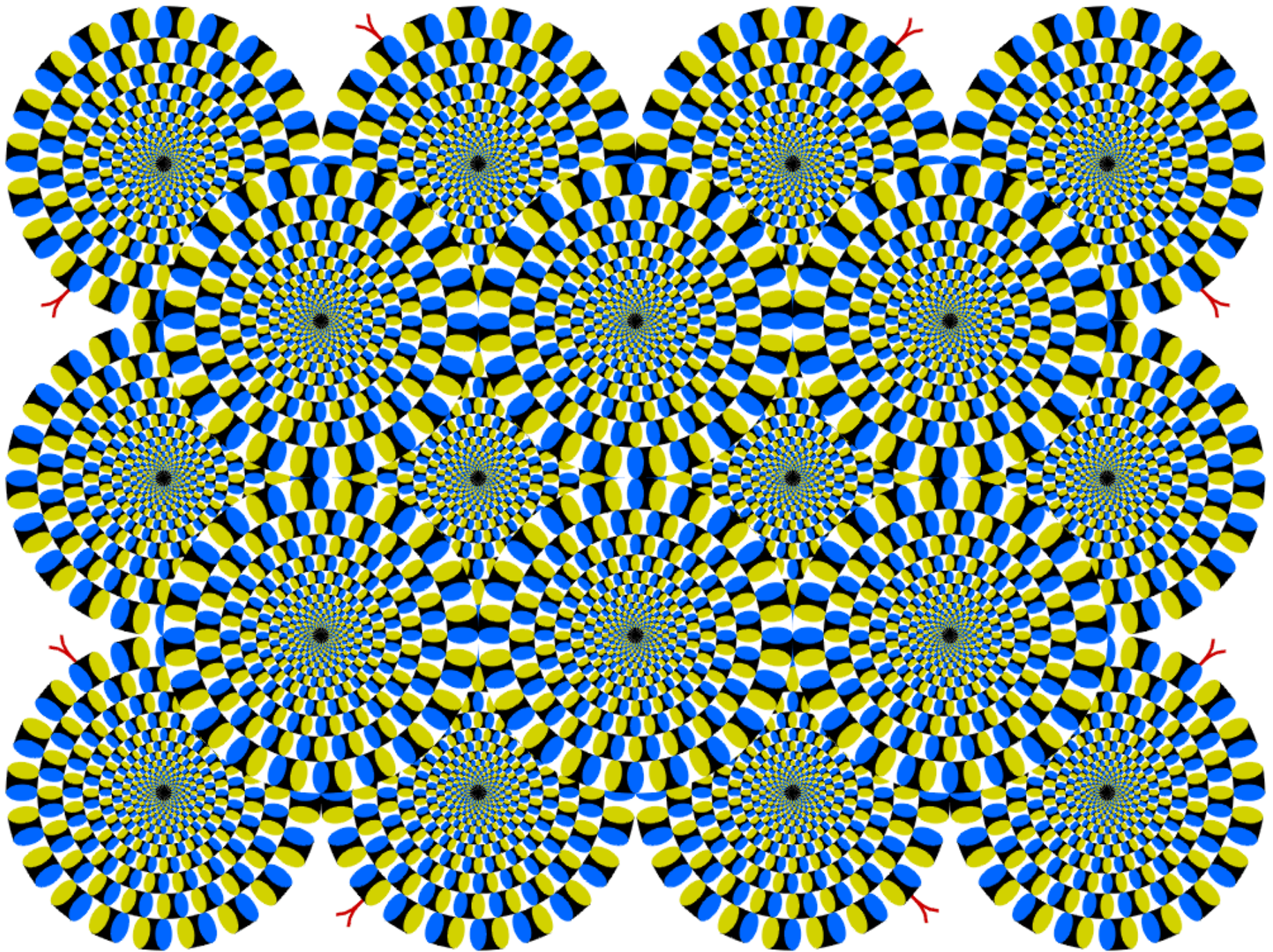
Yes and no (but mostly no!)

humans are much better at “hard” things
computers can be better at “easy” things

Human perception has its shortcomings...



Source: Sinha, Pawan, and Tomaso Poggio. "[I Think I Know That Face...](#)" *Nature* 384 (1996): 404. © 1996.



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[following Slides from CSE/EE 576, @cs.washington.edu]