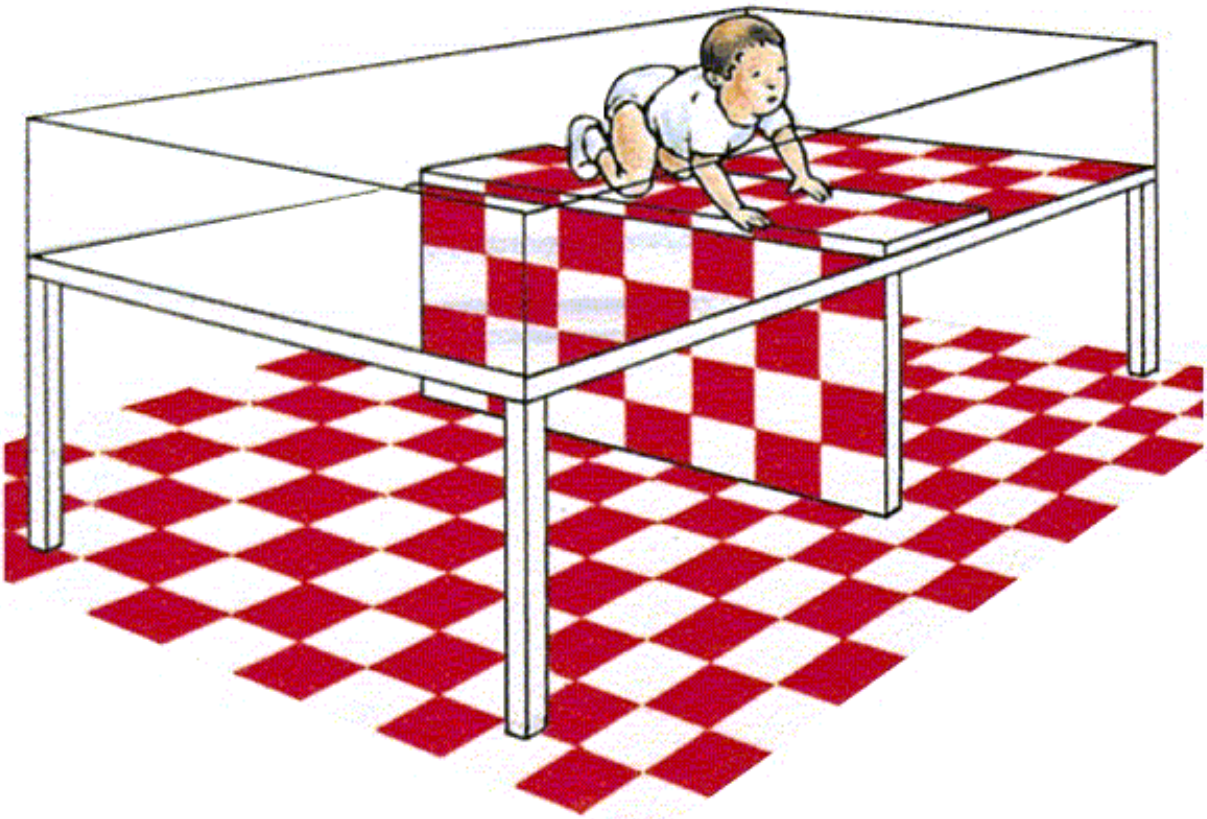
AALBORG UNIVERSITY

STUDENT REPORT



Human senses and perception miniproject

Depth perception

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Human Senses and perception

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Contents

1
Introduction

Depth perception. What cues does the brain use to infer depth in the visual scene? Under what conditions do the various cues operate? In particular, explain what is meant by "stereopsis" and "binocular disparity" and how these are used in the construction of stereograms and autostereograms.(Abrams & Yantis, 2017)

2

Theory

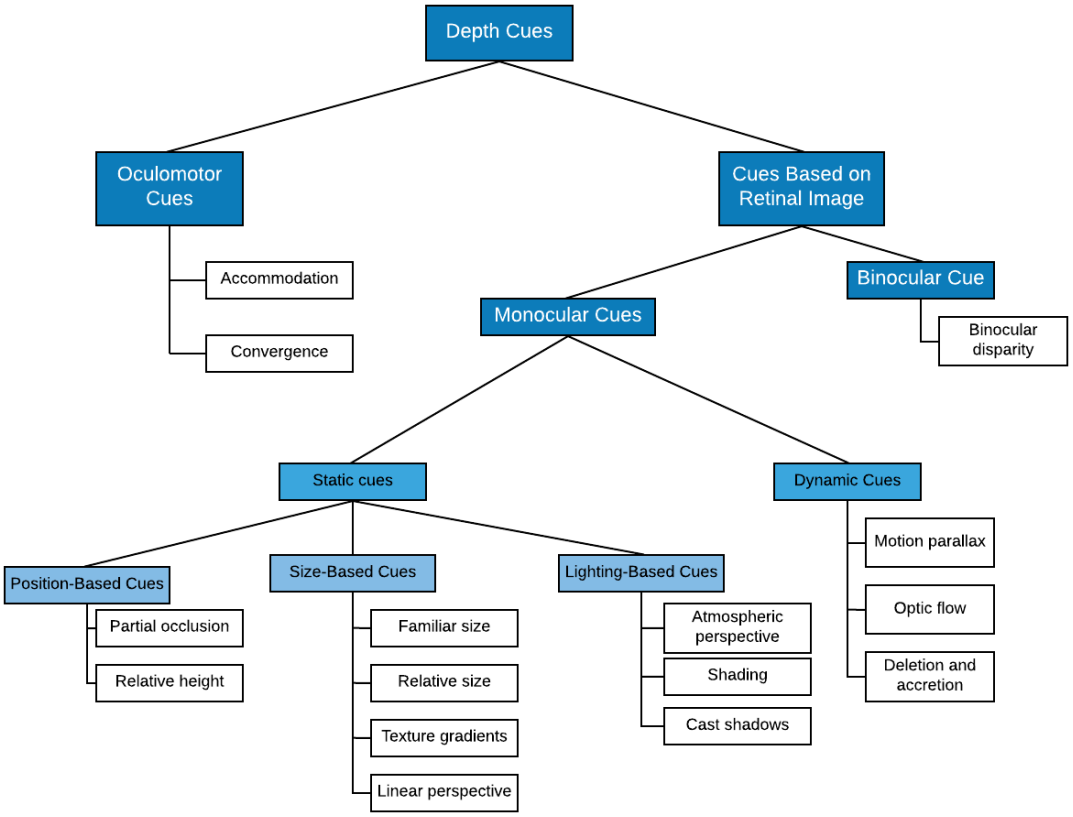

Figure 2.1: All the depth cues from the book, Sensation and Perception(Abrams & Yantis, 2017)

2.1 Oculomotor cues

Information from muscles in the eye and such

2.2 Retinal image cues

Retinal image information

2.2.1 Static cues

No movement

2.2.2 Dynamic cues

Movement

2.3 Stereopsis

2.3.1 binocular disparity

Difference between the eyes and shit

stereograms

Autostereograms

3
Discussion

4
Conclusion

References

Abrams, R., & Yantis, S. (2017). *Sensation and perception* (Second ed.). Worth Publishers.