

Ibn al-Haytham's Analysis Of the Moon Illusion

Bisan Lecture
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Abū ‘Alī al-Ḥasan bin al-Ḥasan
bin al-Haytham

أبو علي الحسن بن الحسن بن الهيثم
(965?-1040?)

Kitāb al-Manāẓir

كتاب المناظر

“Book of Optics”

Kitāb al-Manāẓir

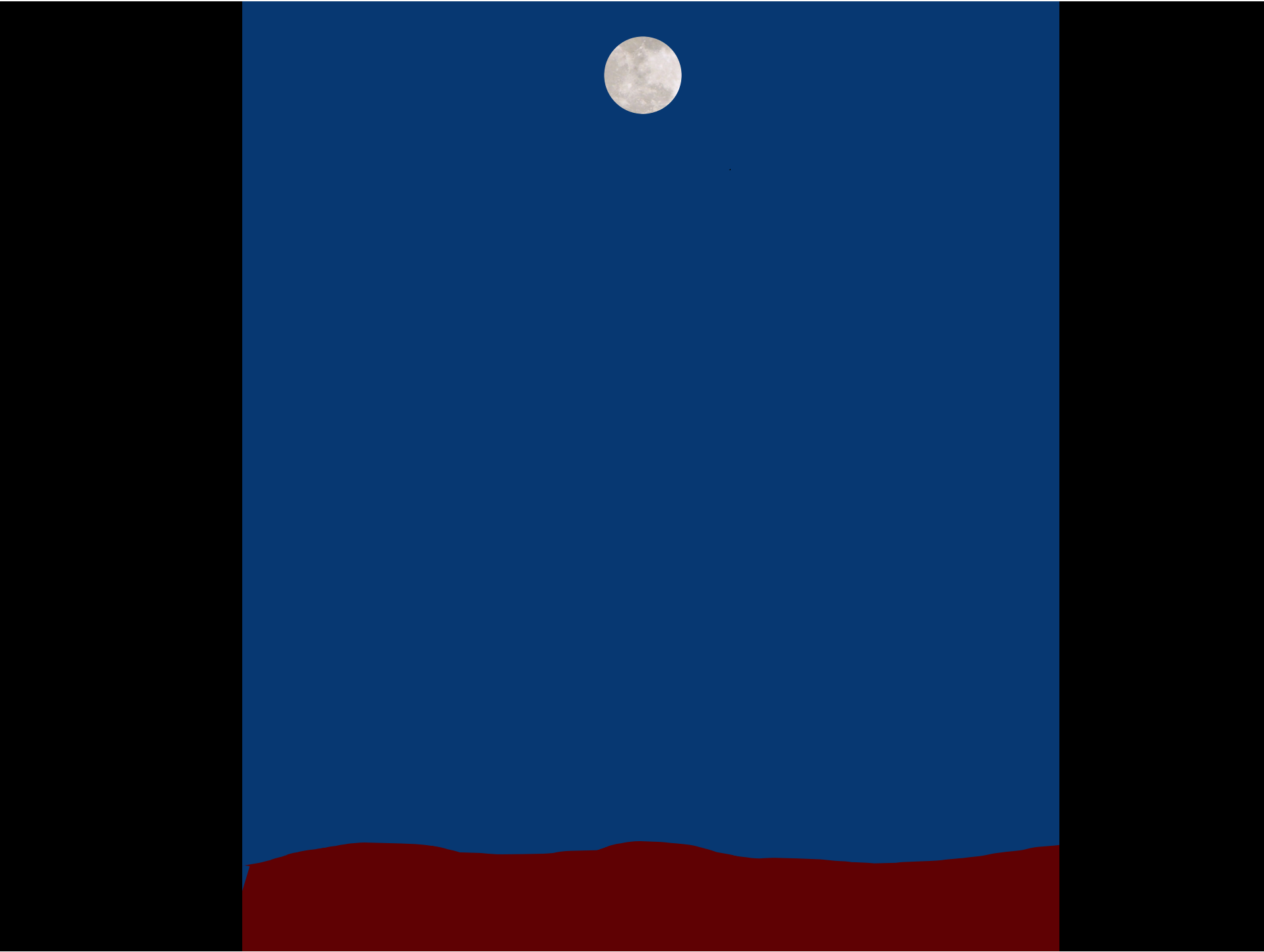
كتاب المناظر

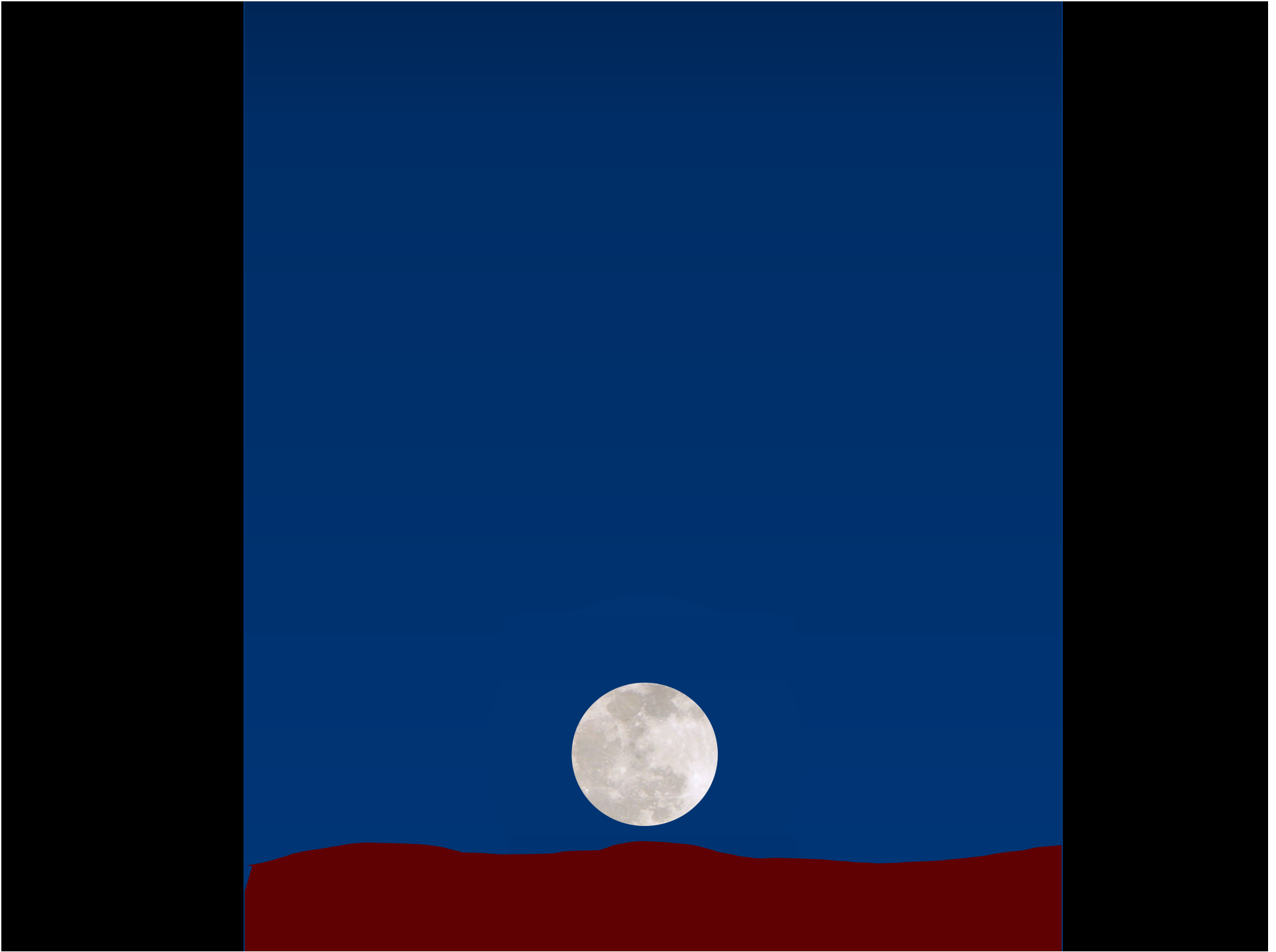
“Book of Optics”

De aspectibus

“On Visual Appearances”

al-Ḥasan = Alhacen



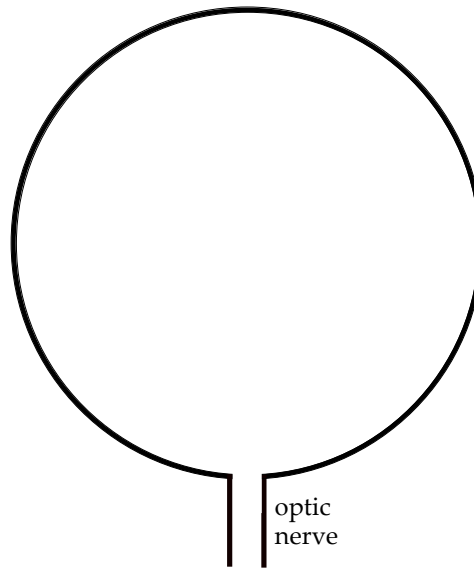




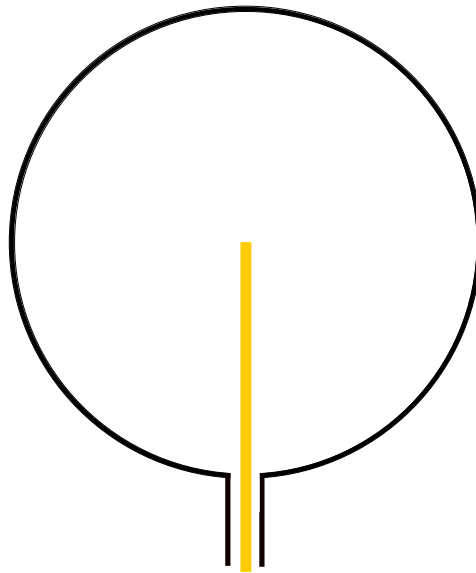


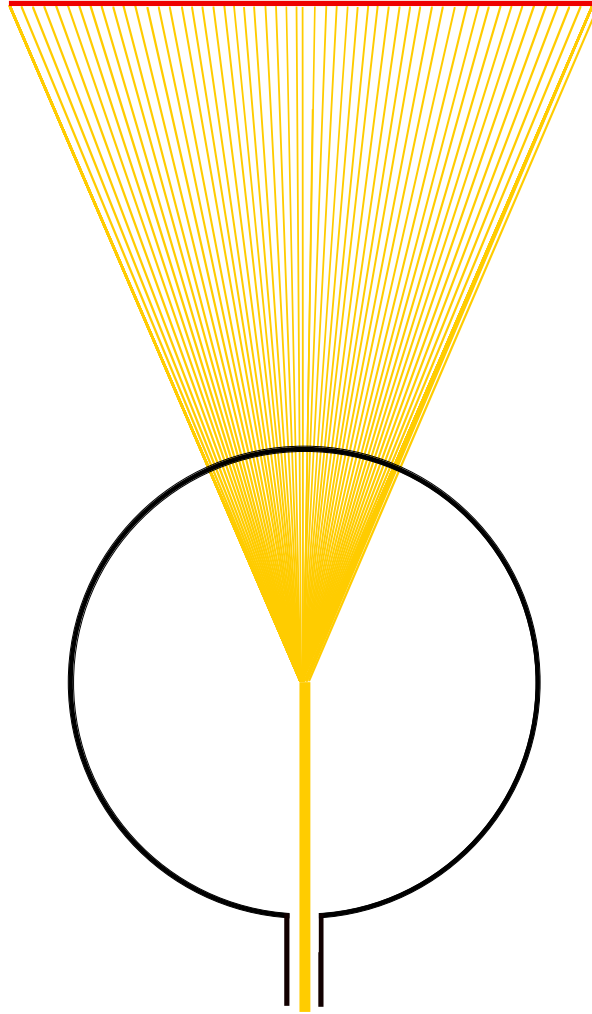
Ptolemy
Baṭlūmyūs
بطليموس
Optics (160 CE)

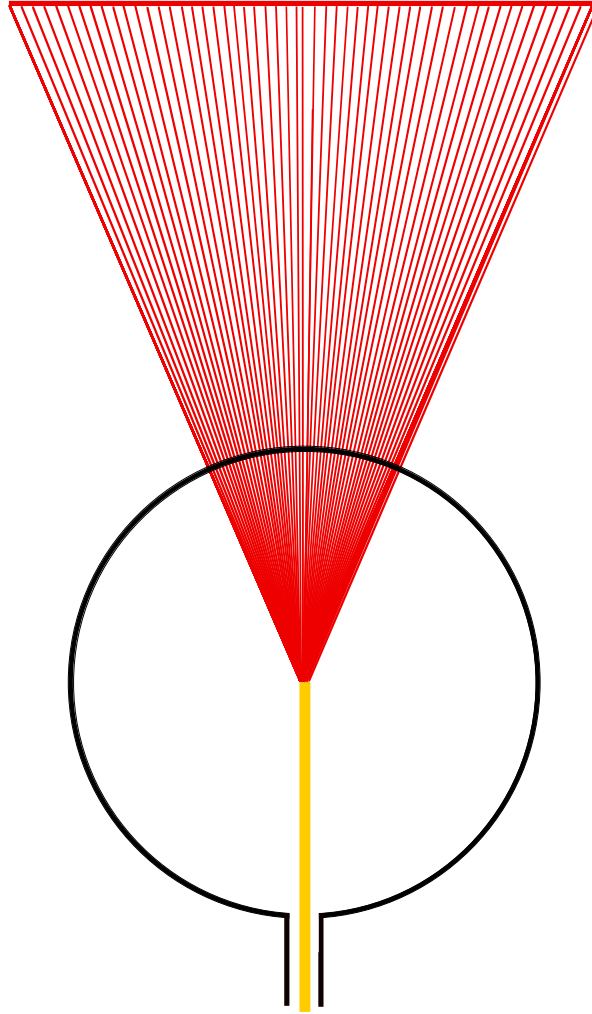
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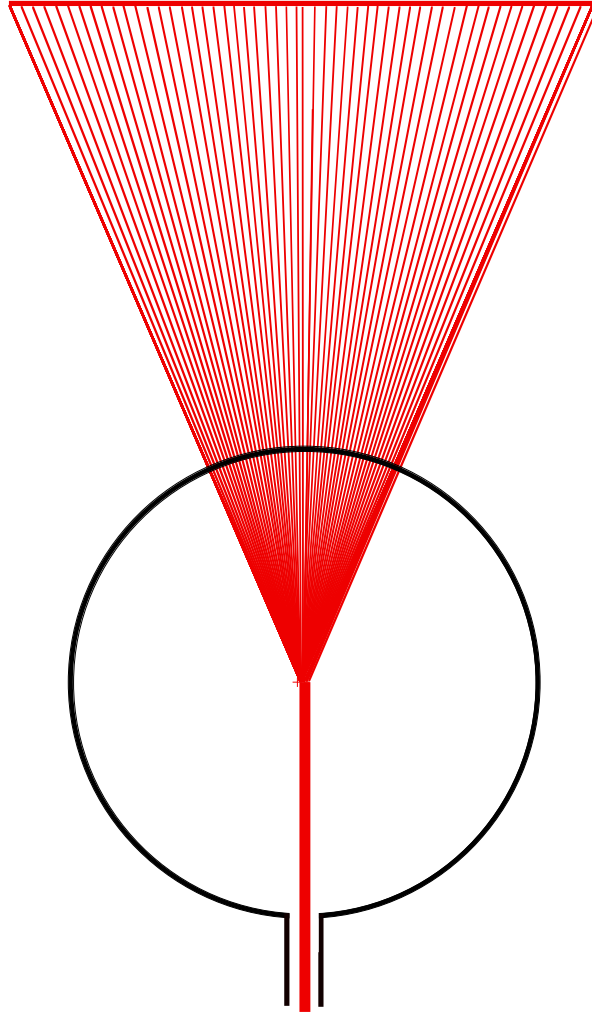


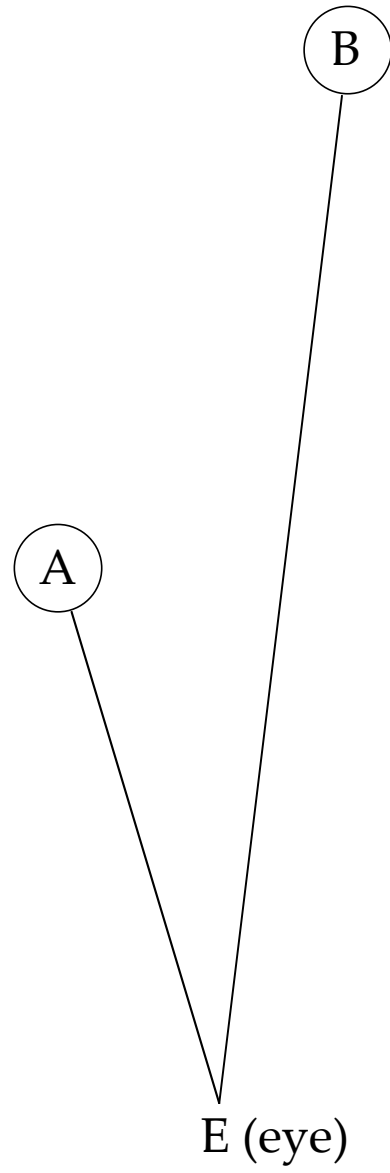
optic
nerve

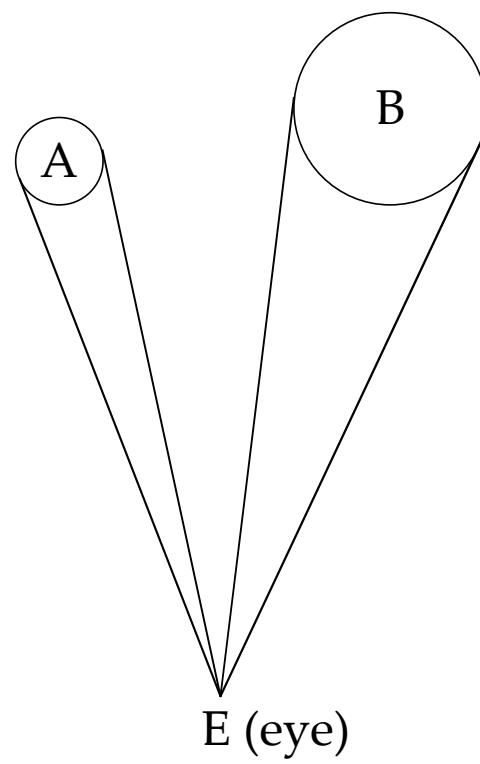


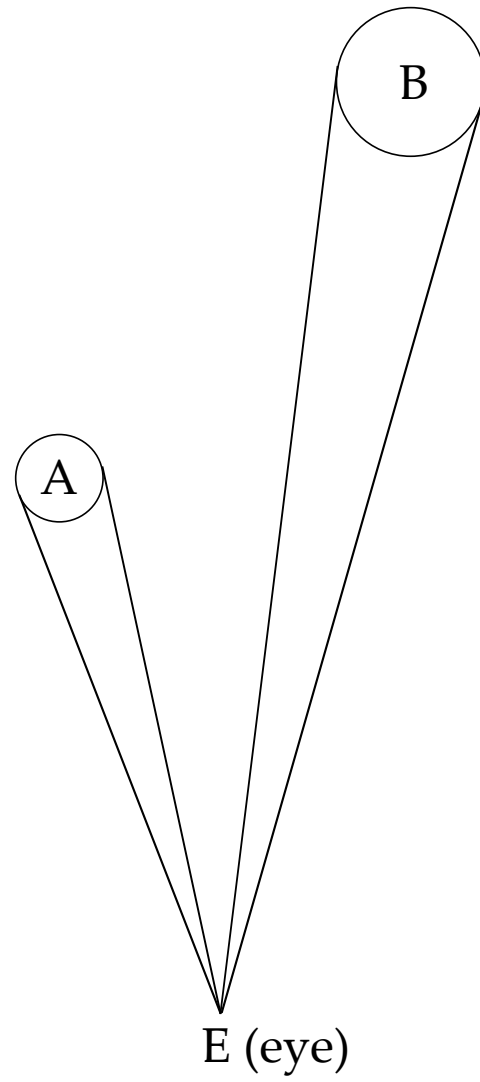


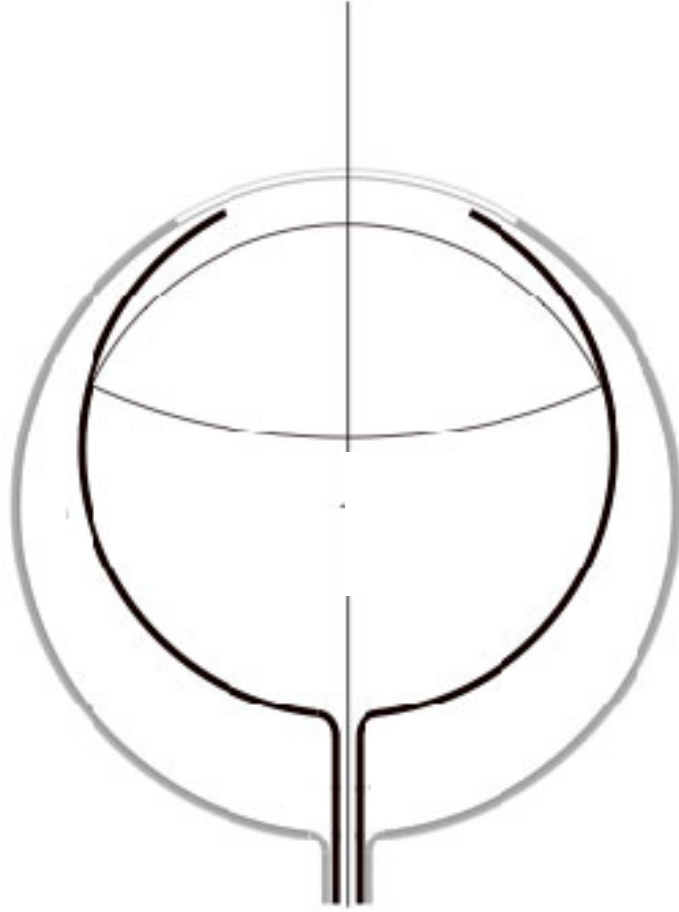


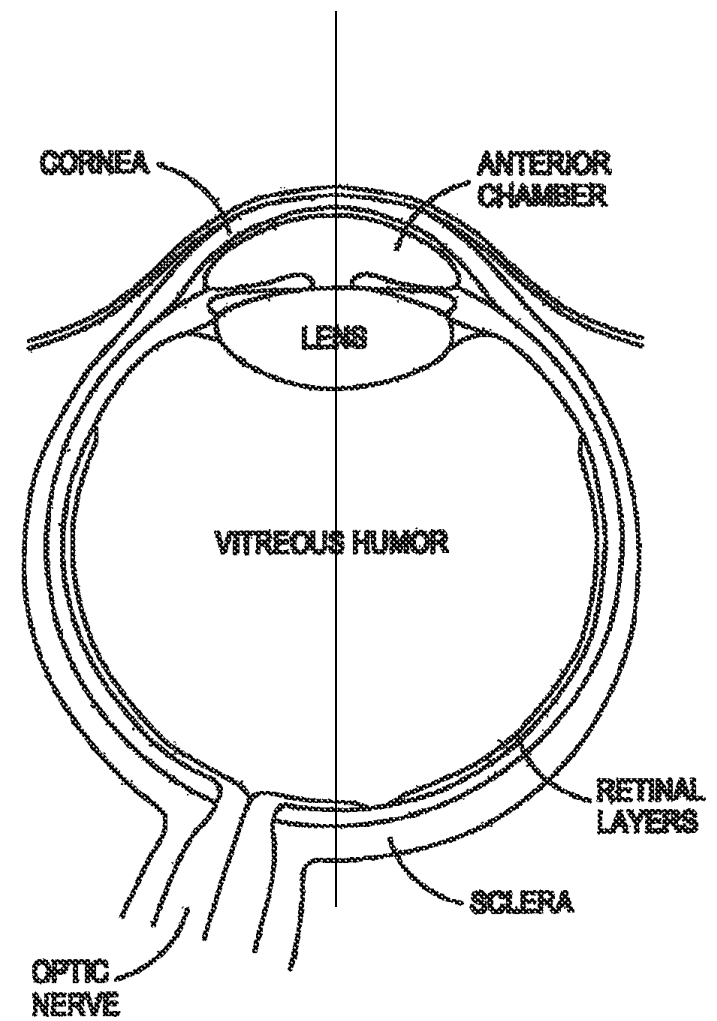
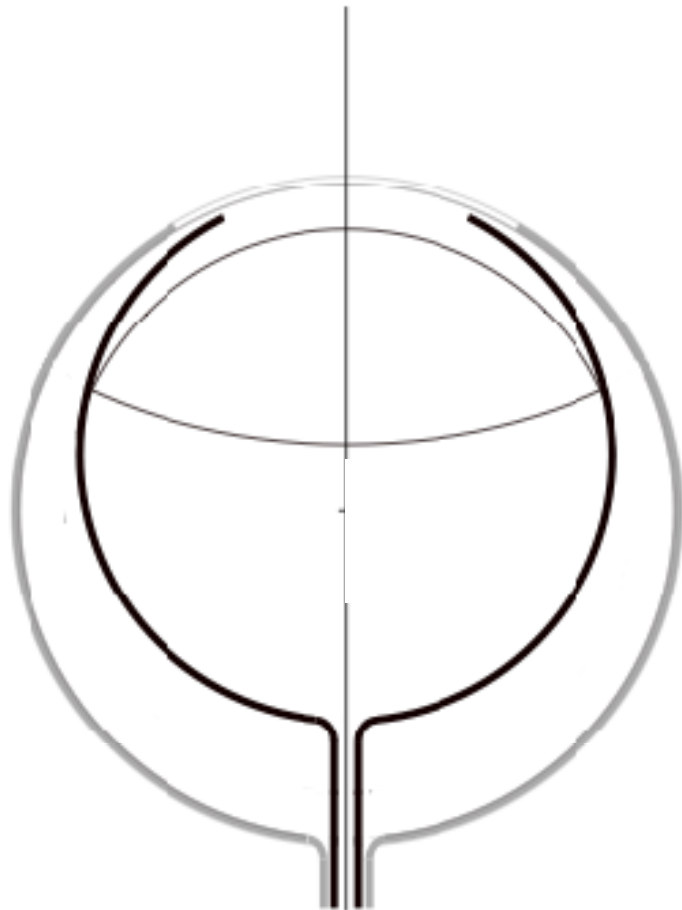


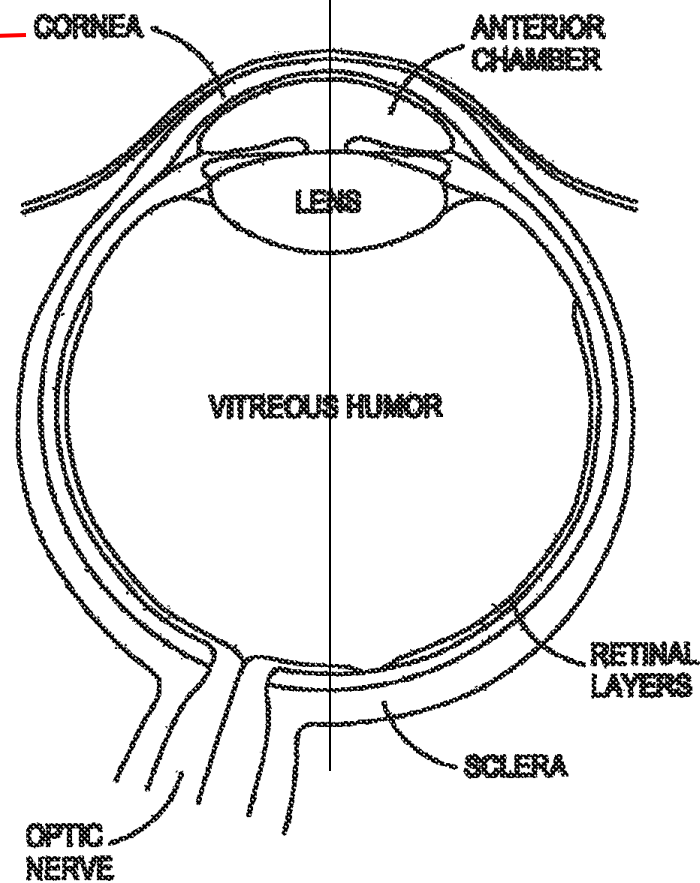
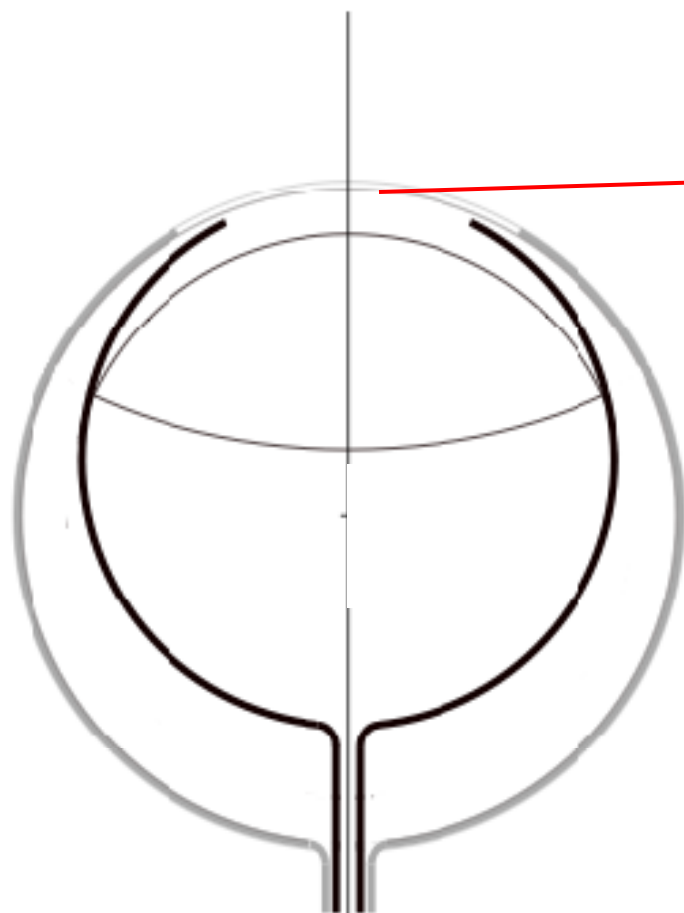


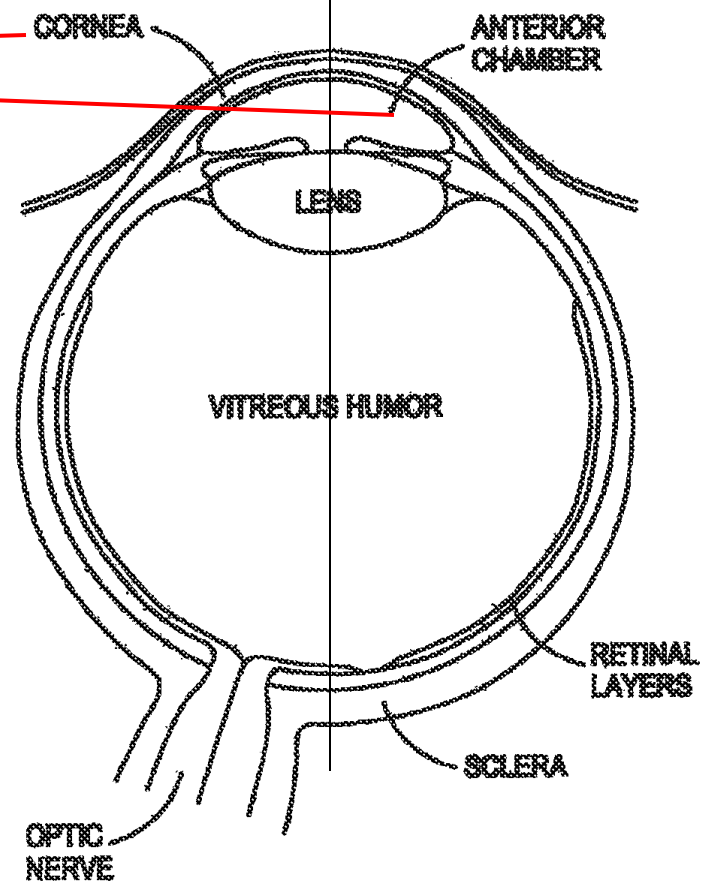
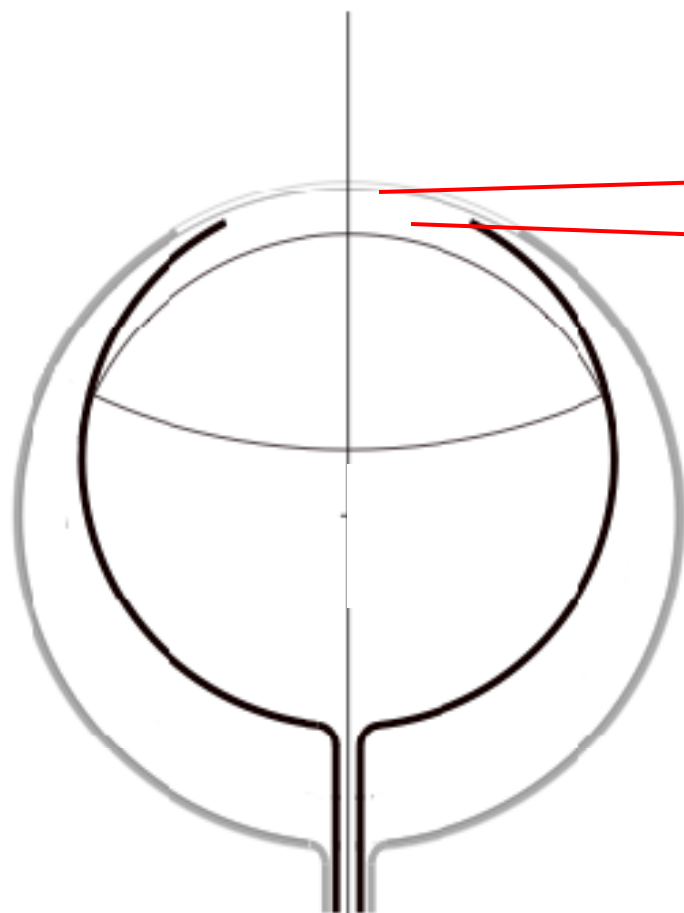


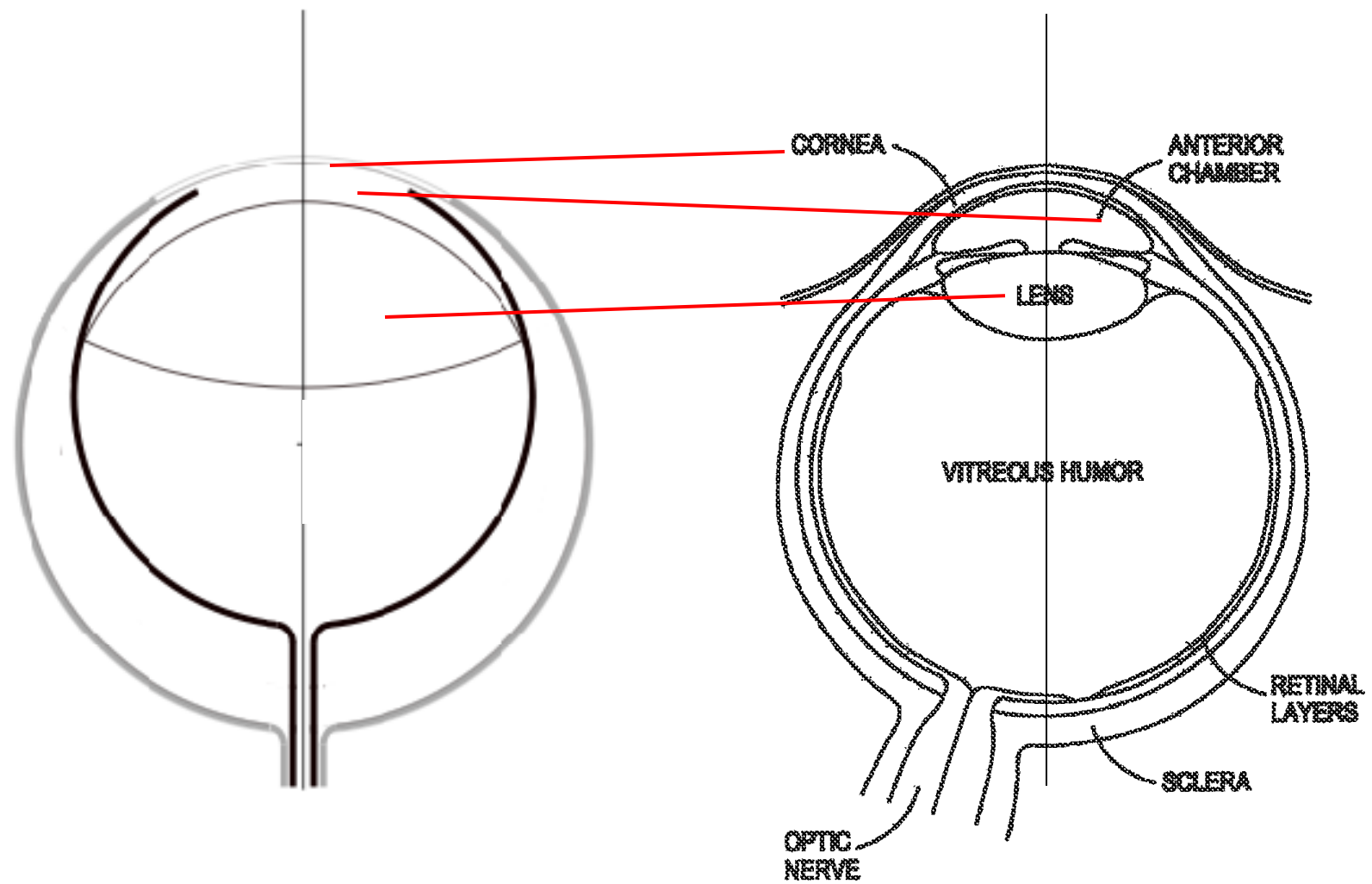


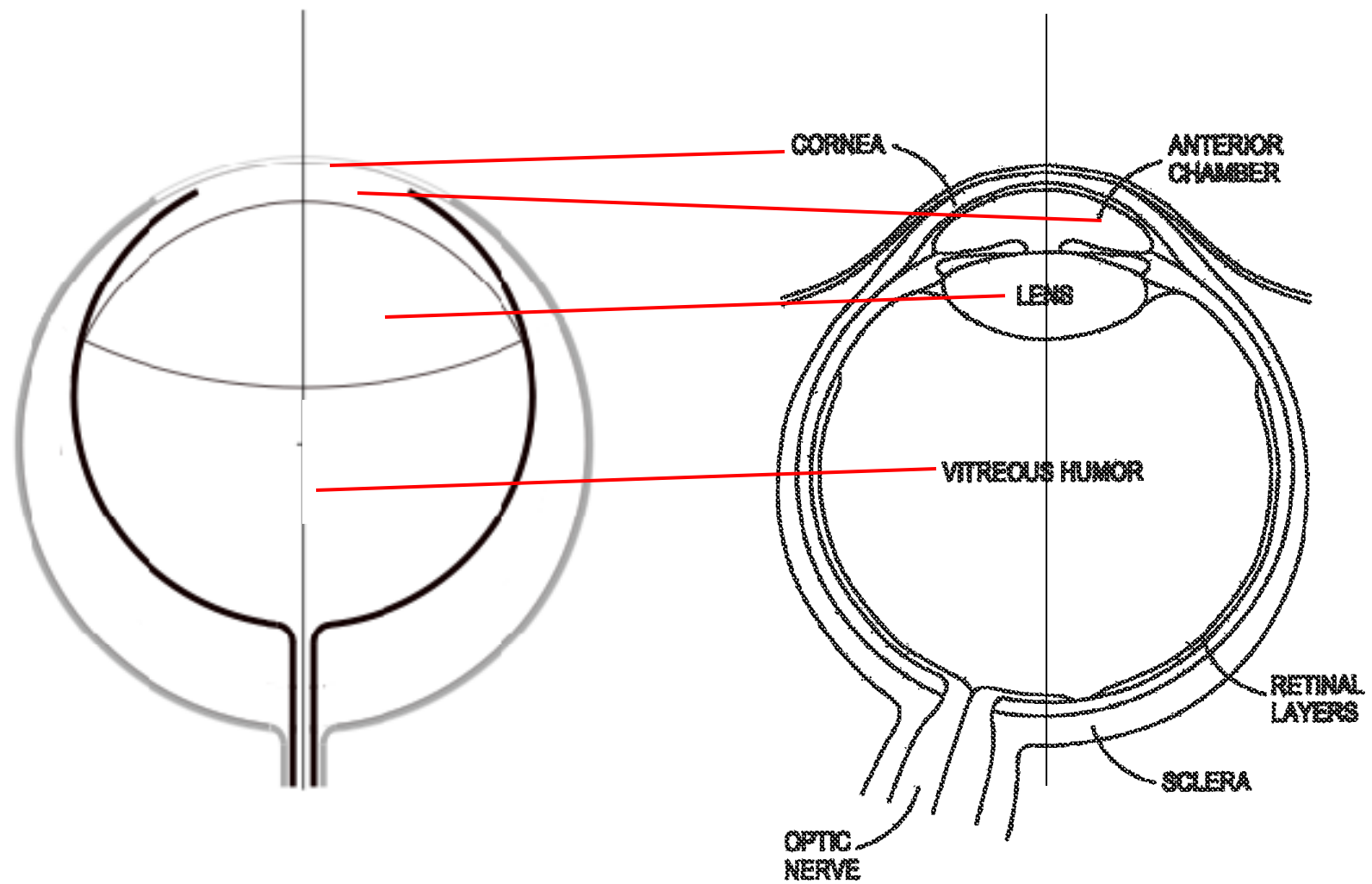


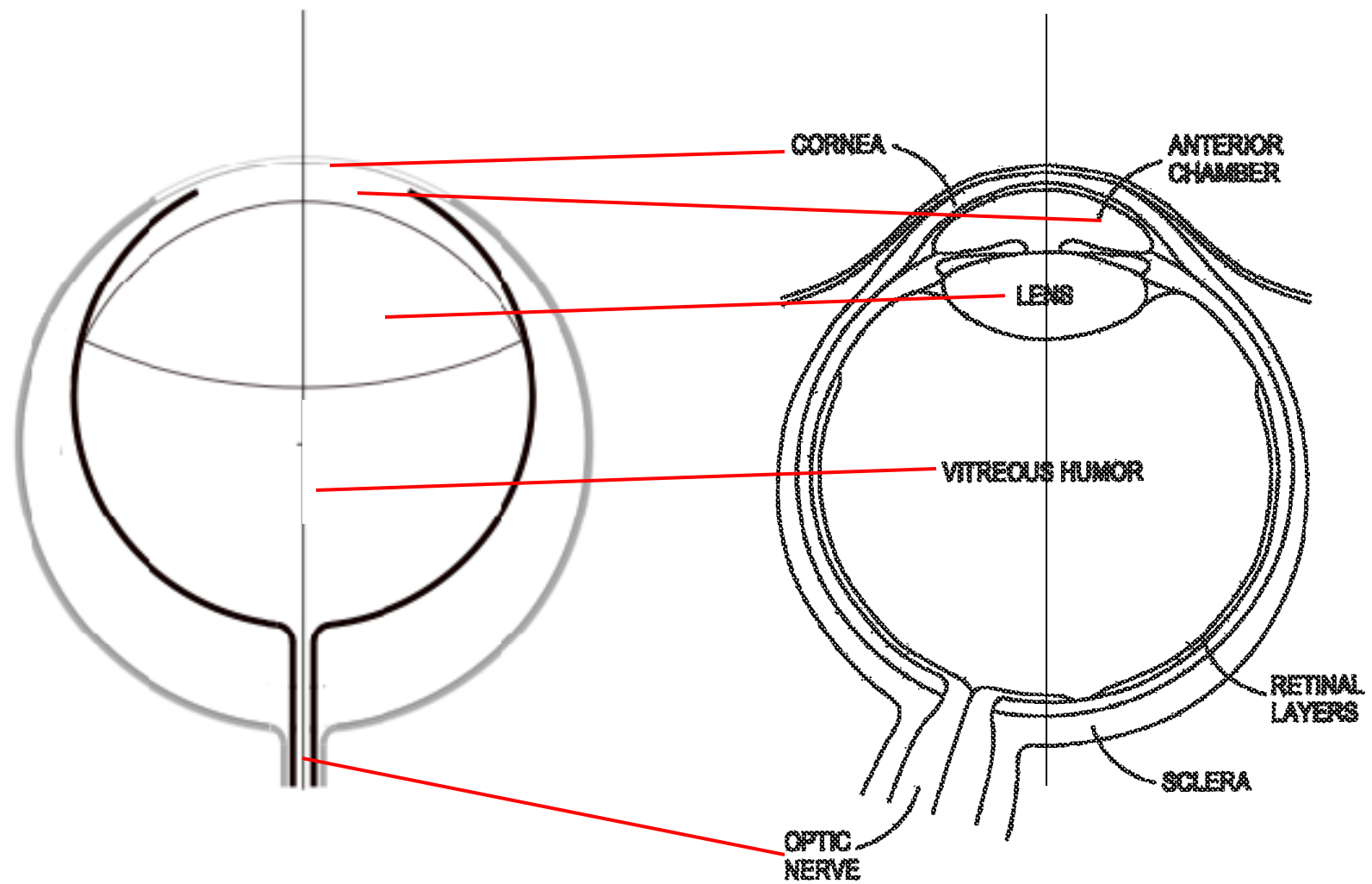


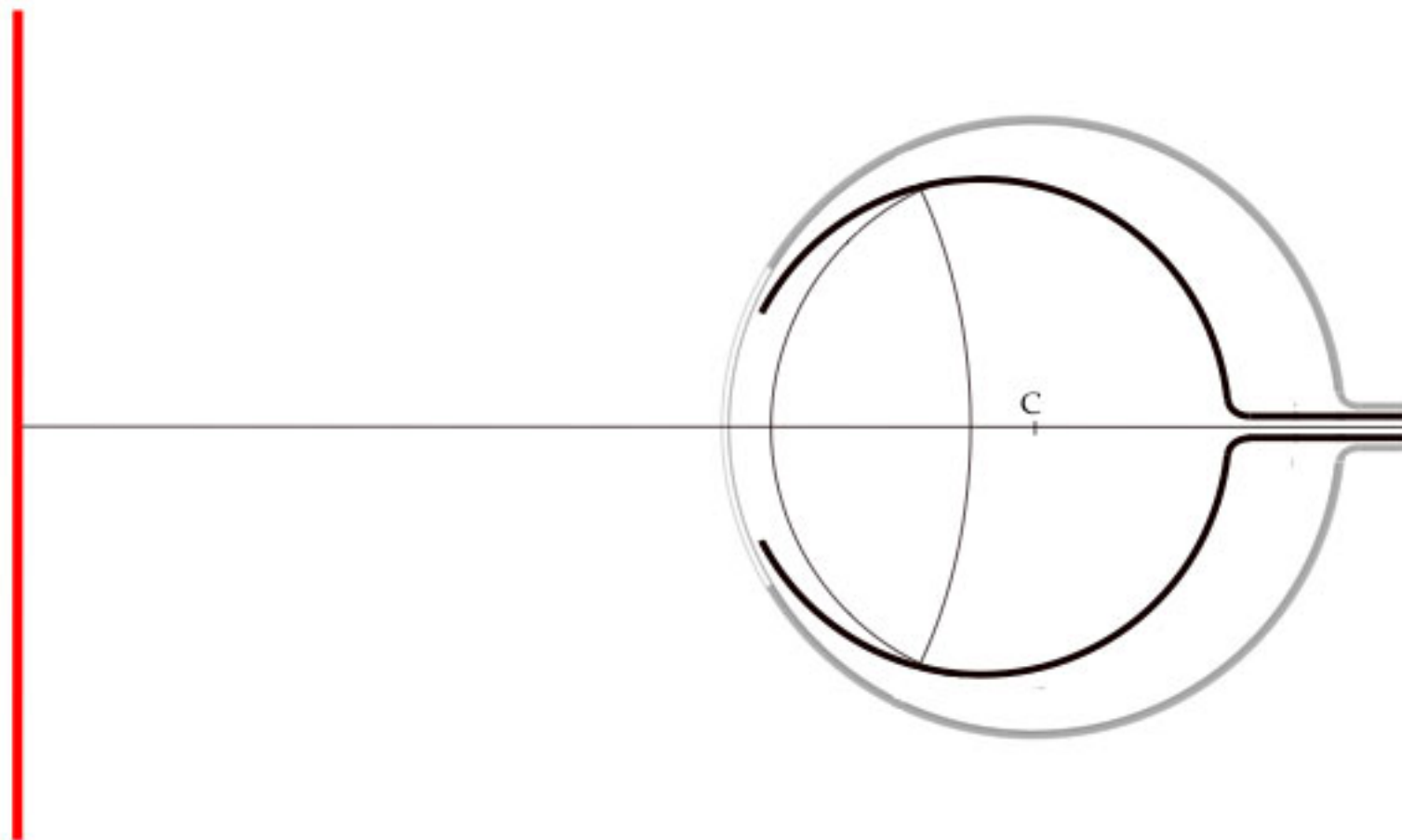


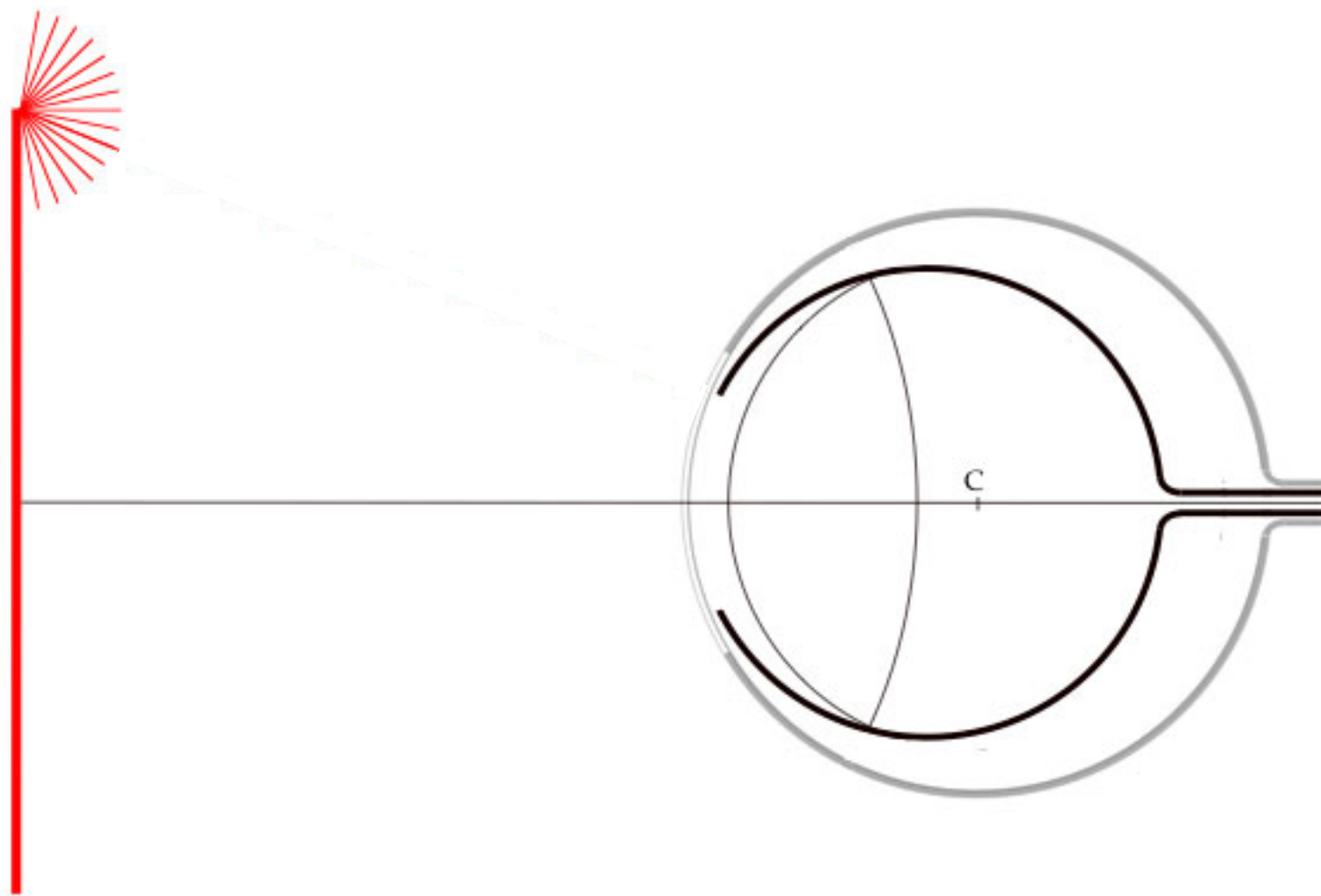


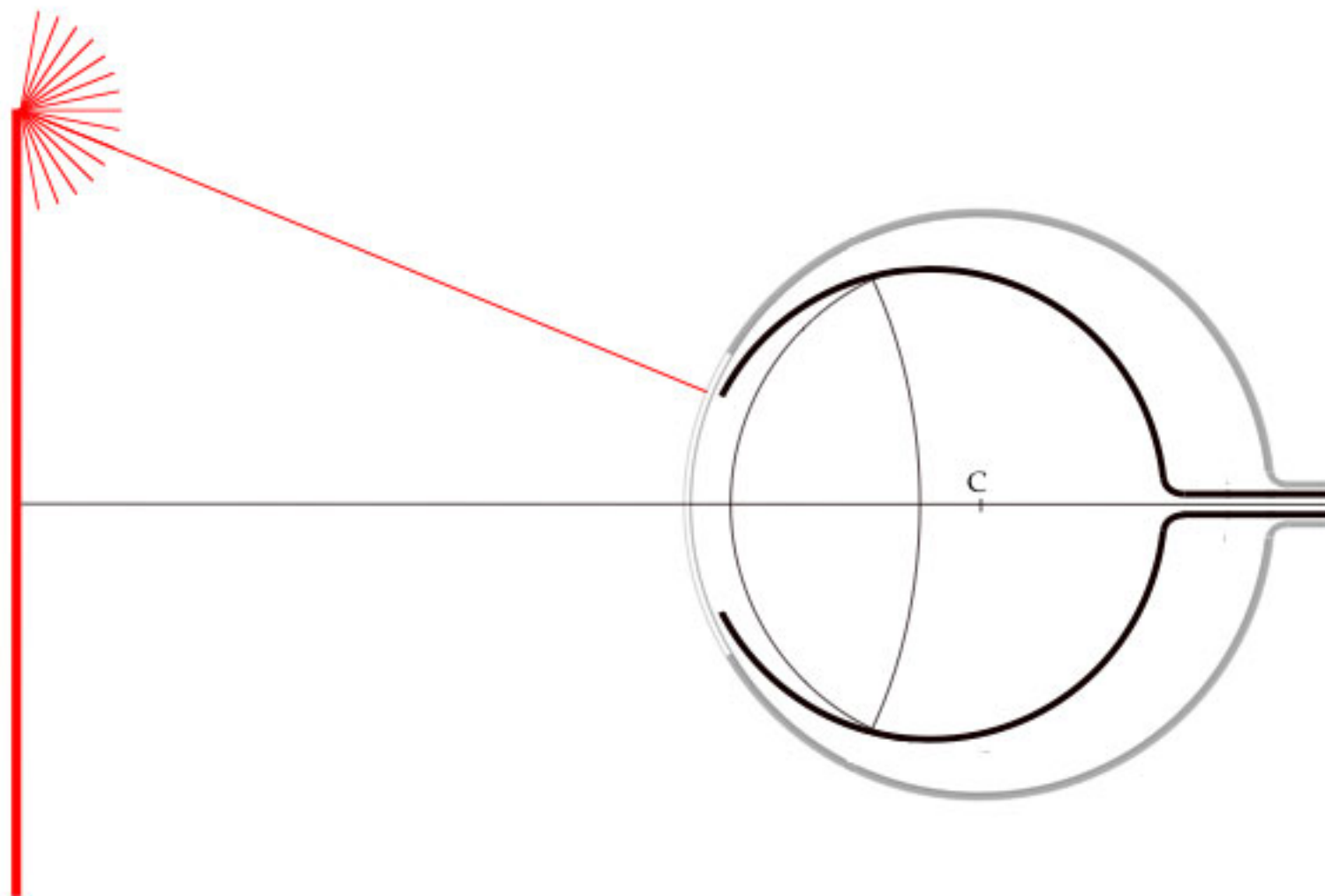


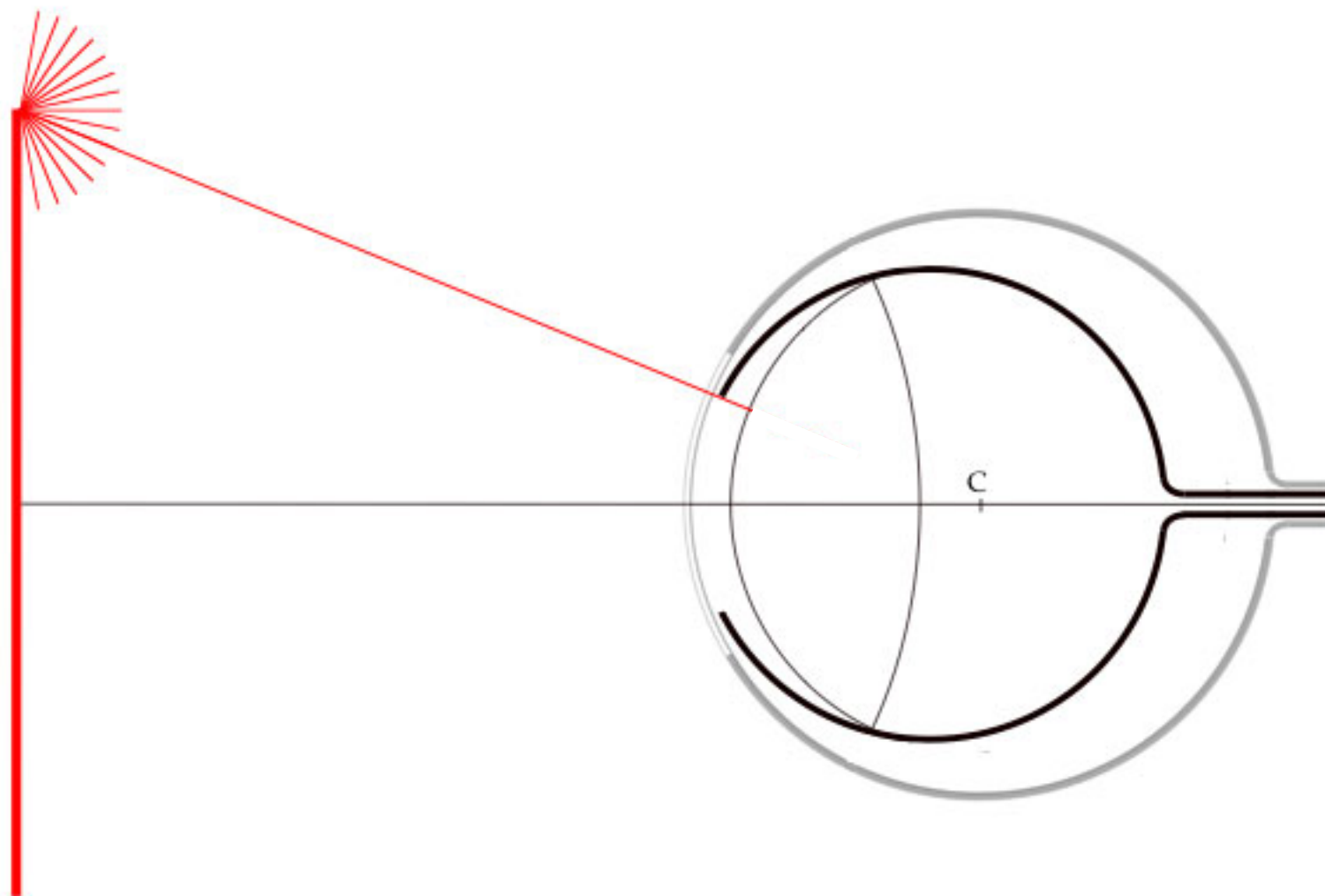


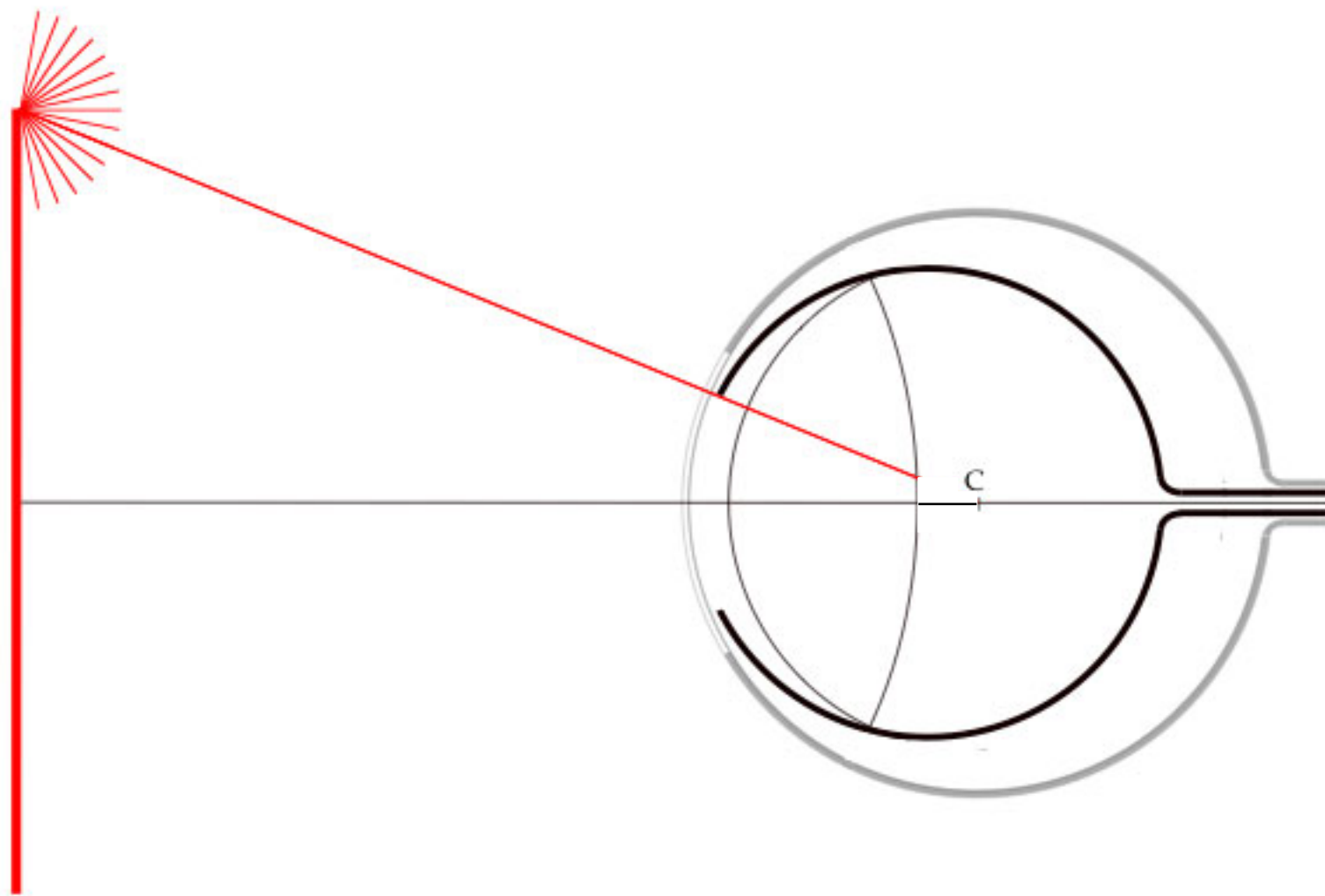


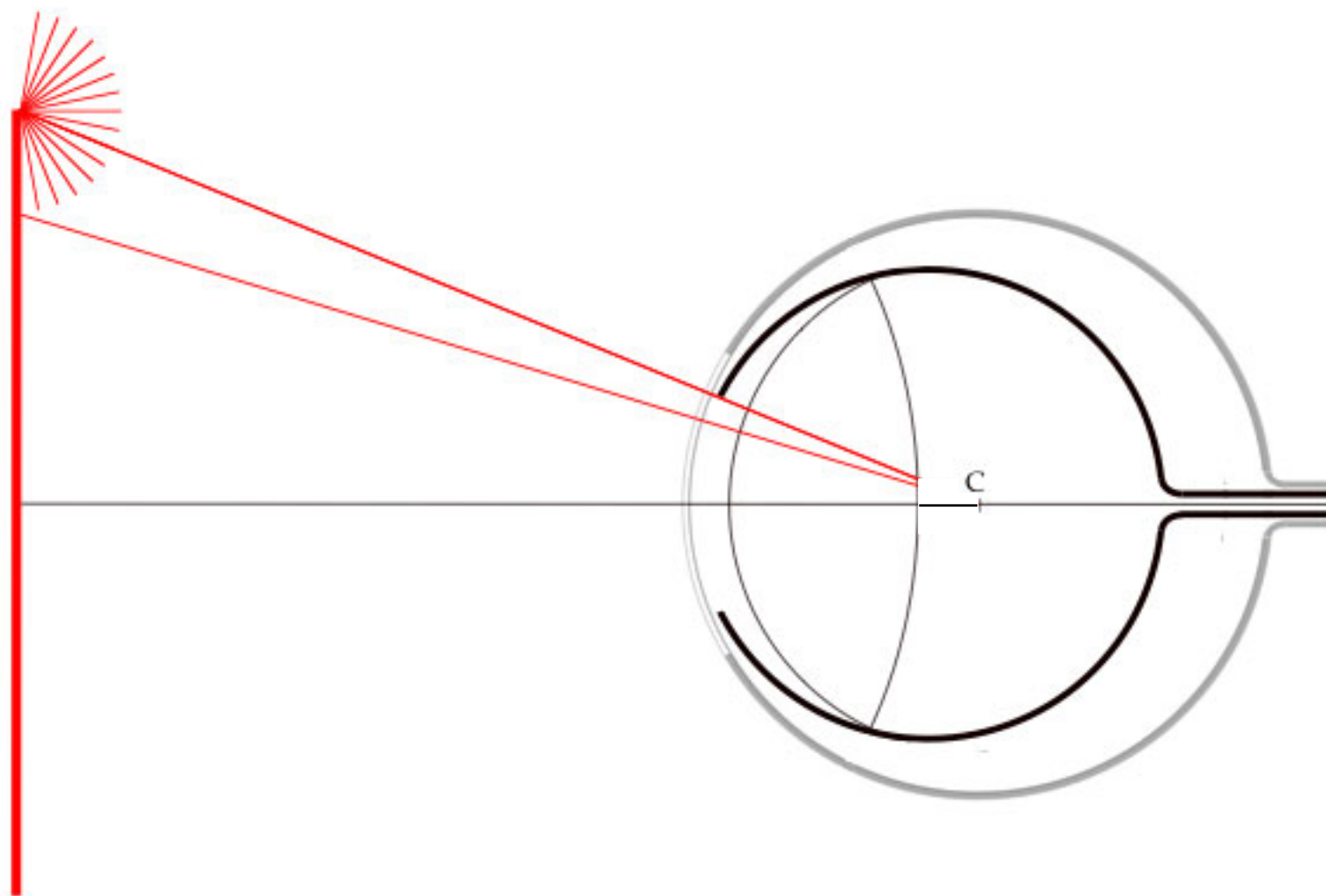


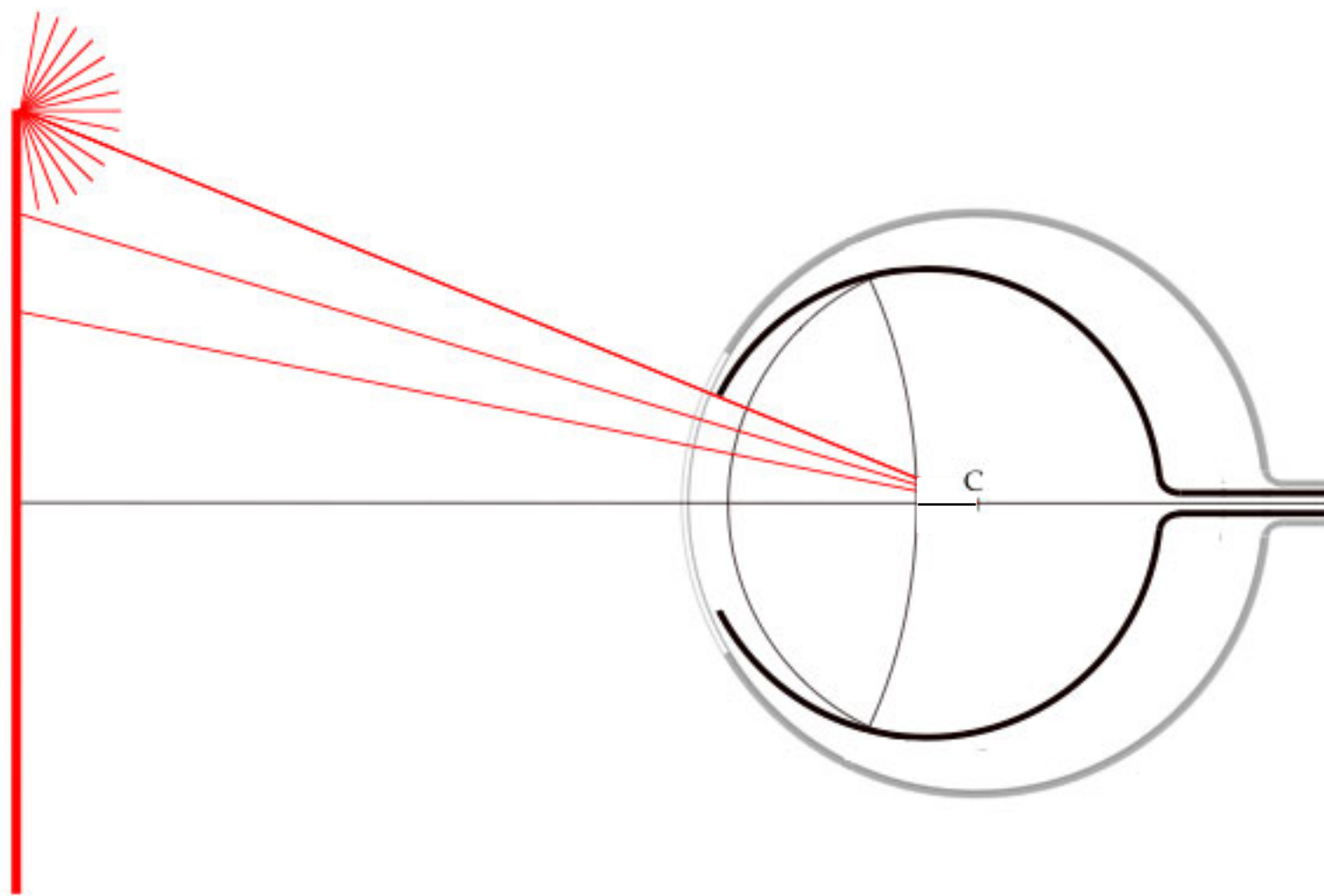


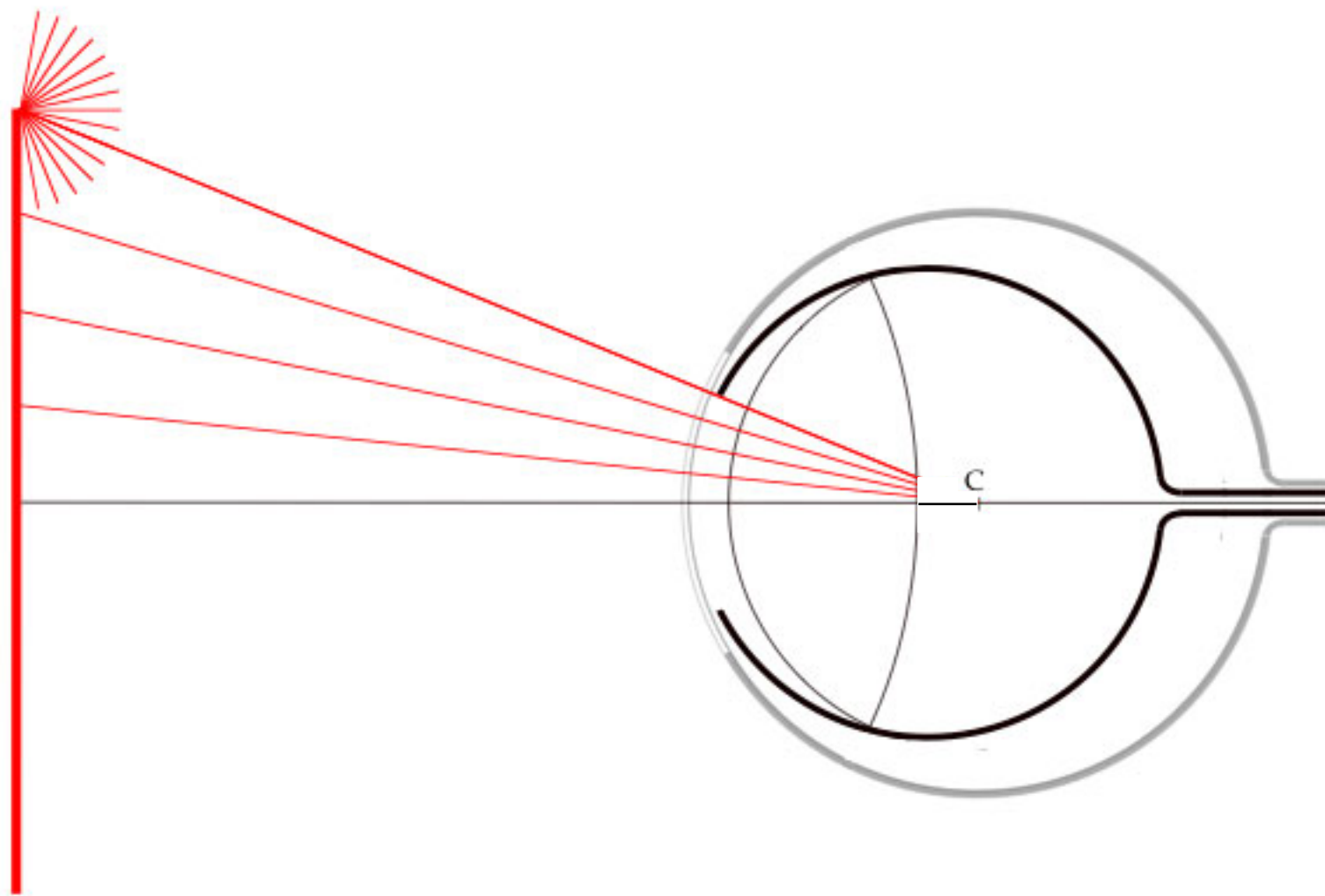


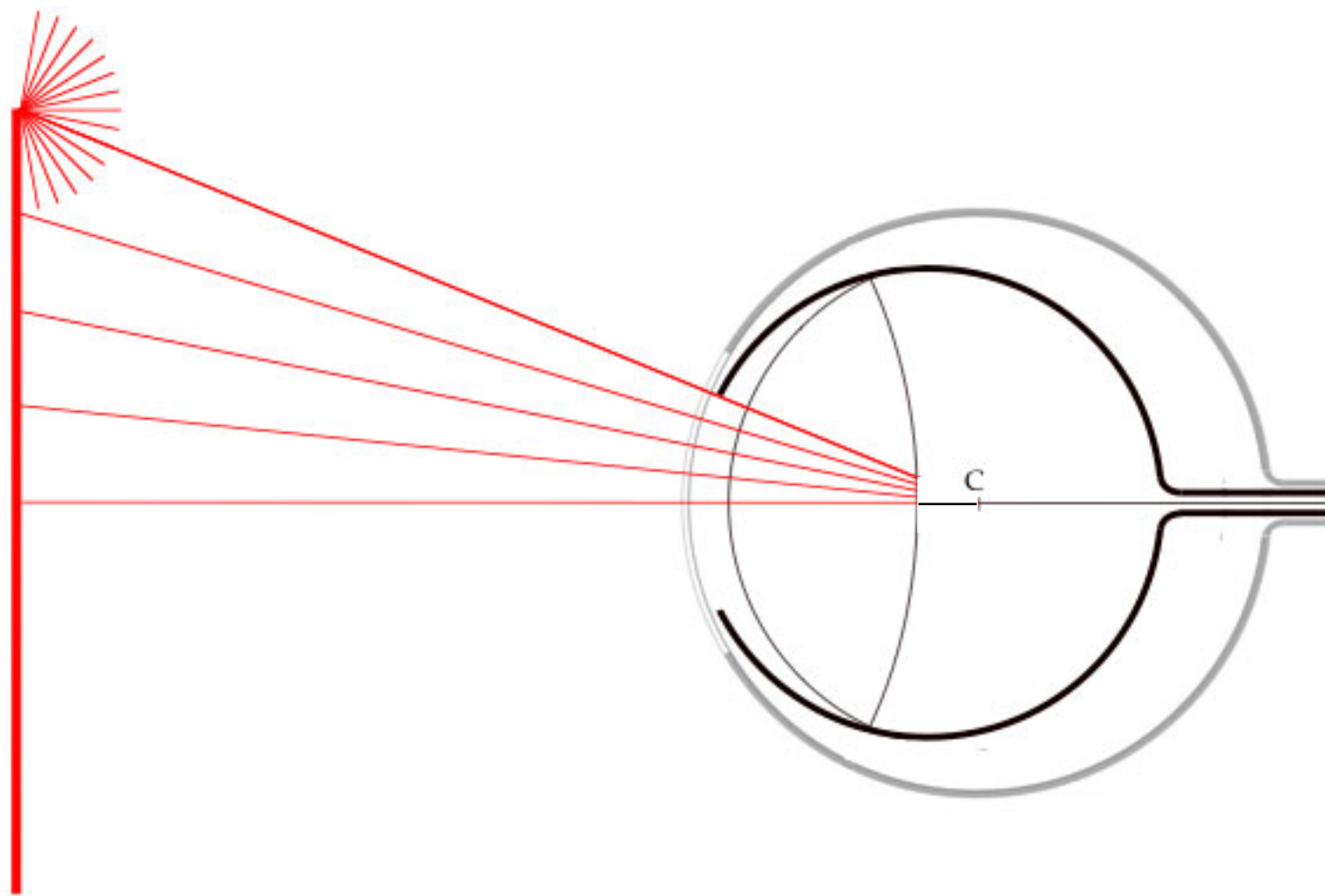


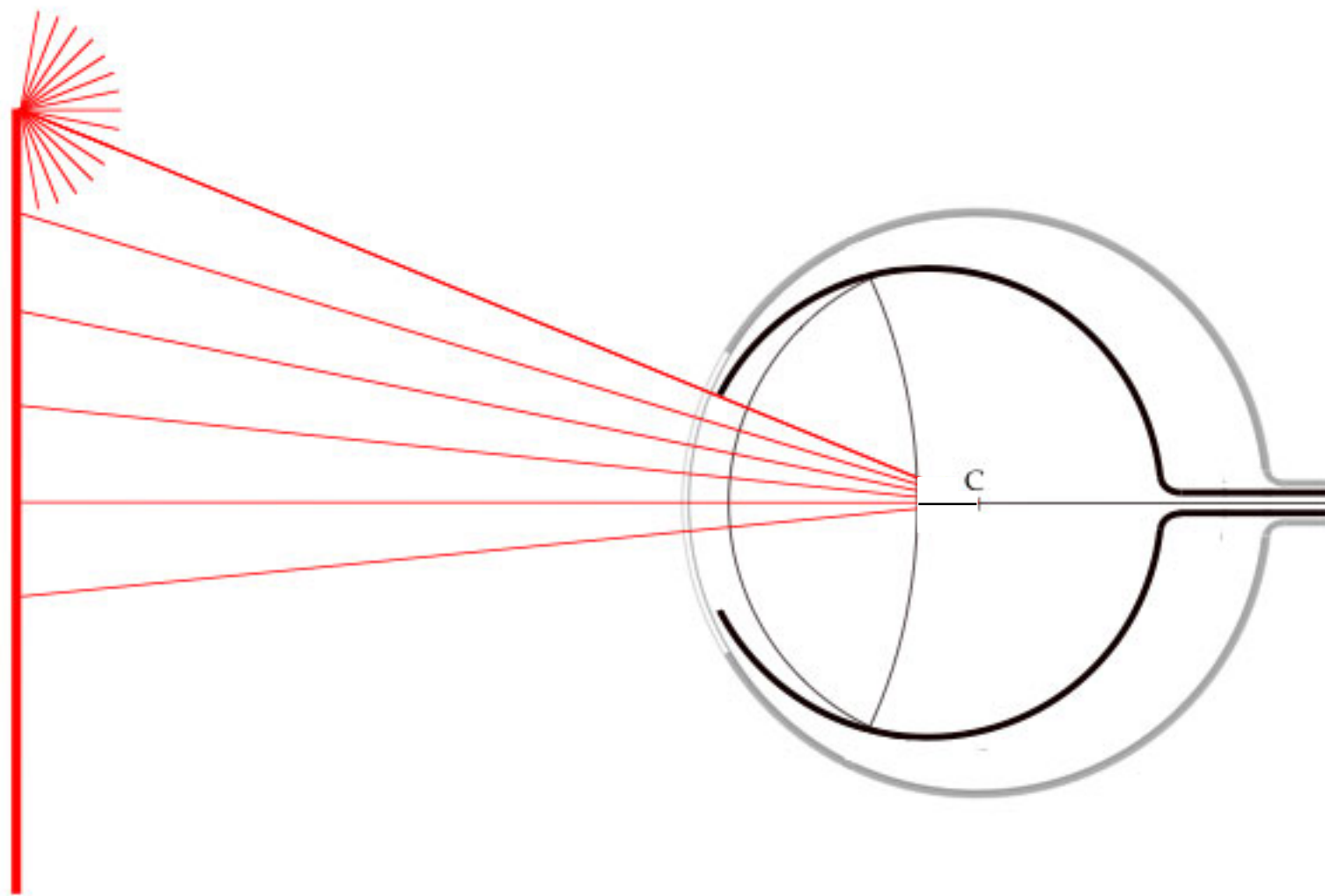


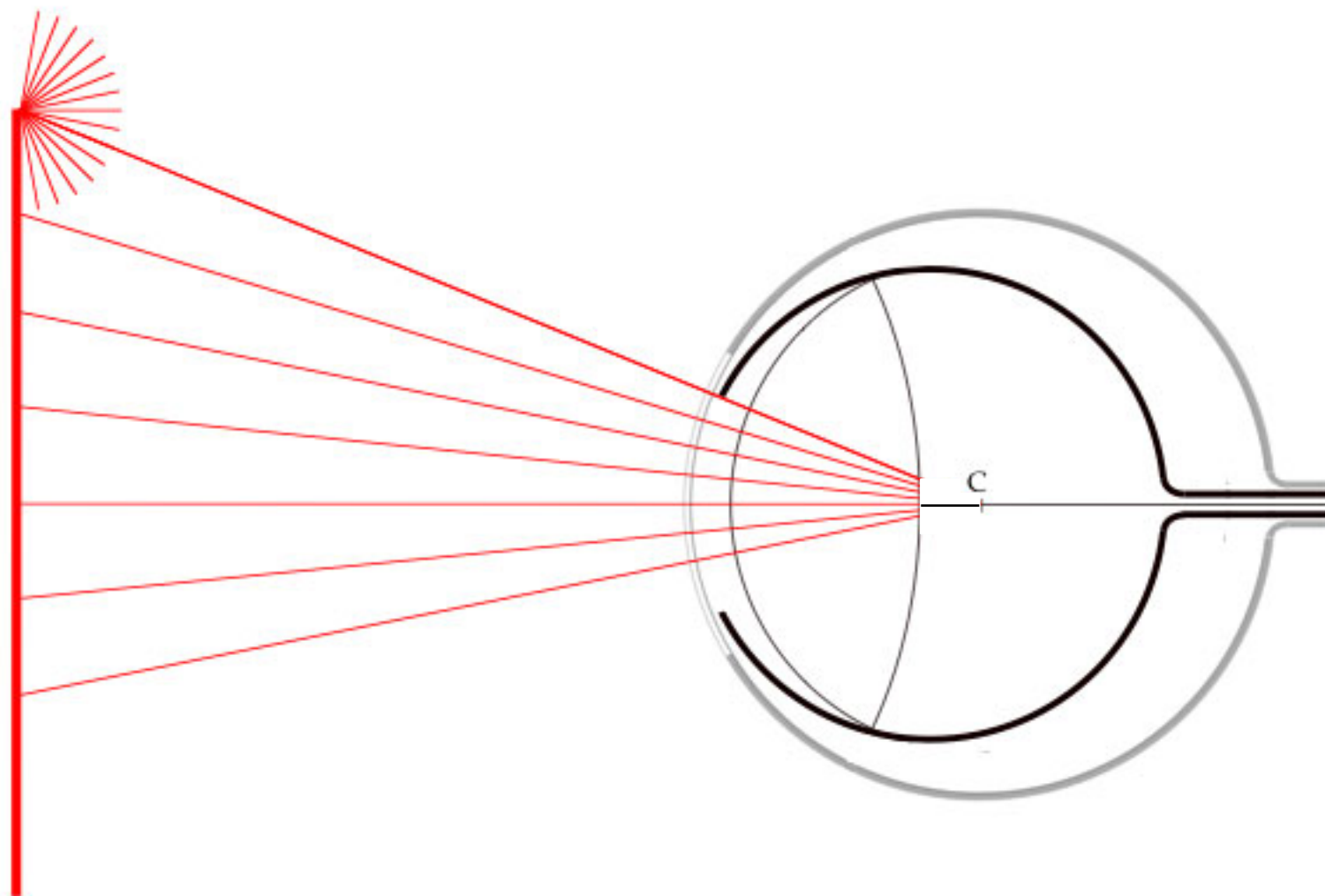


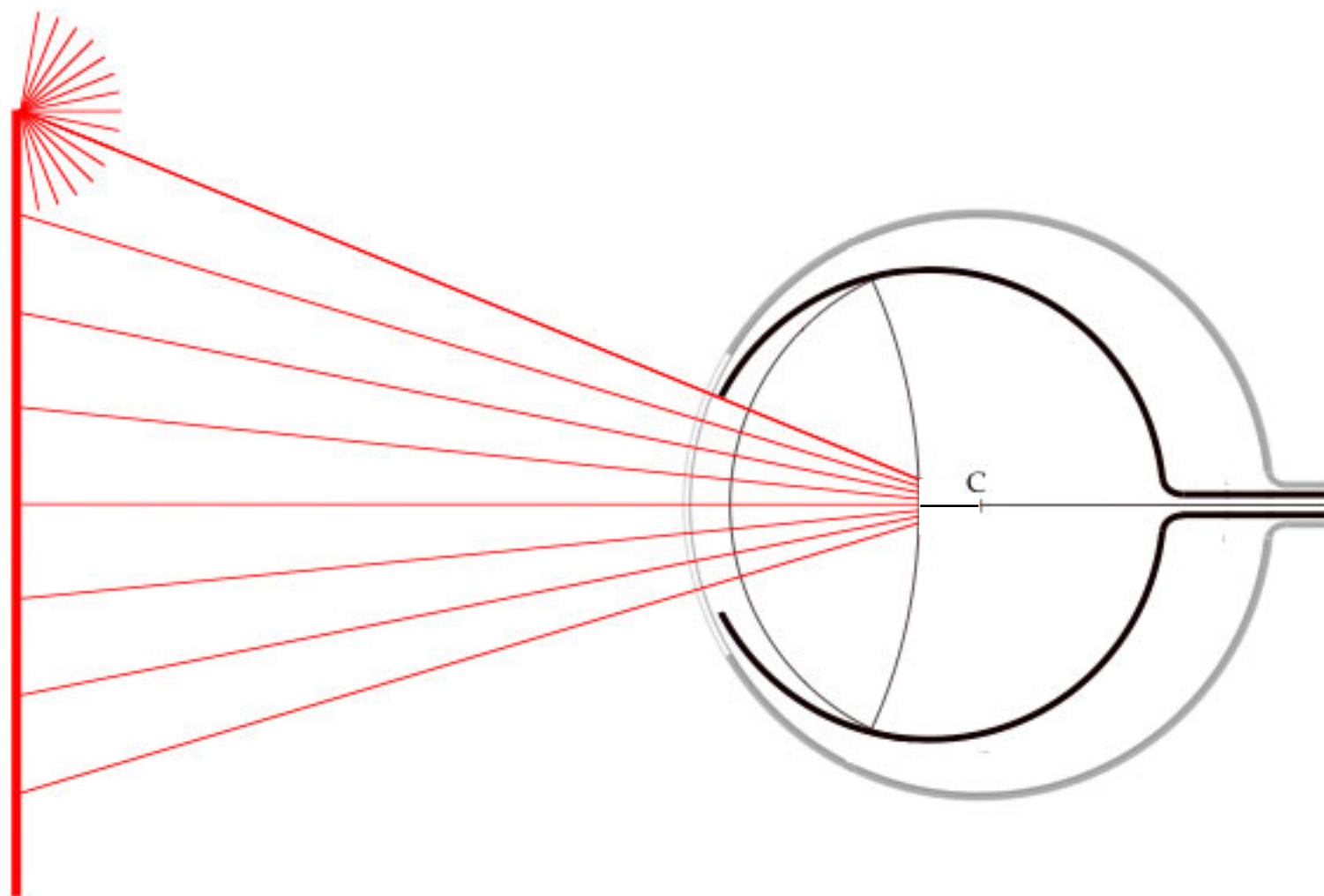


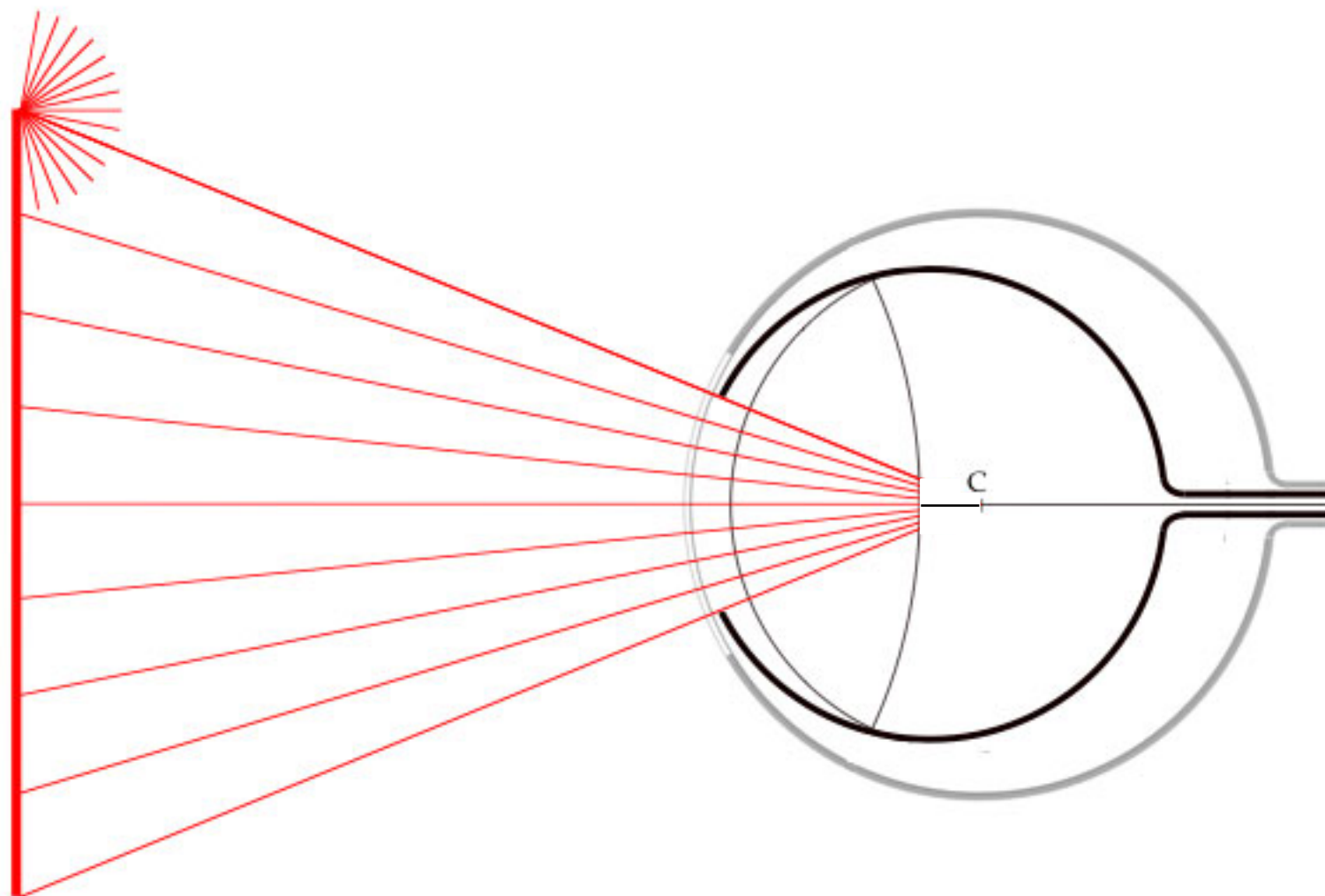


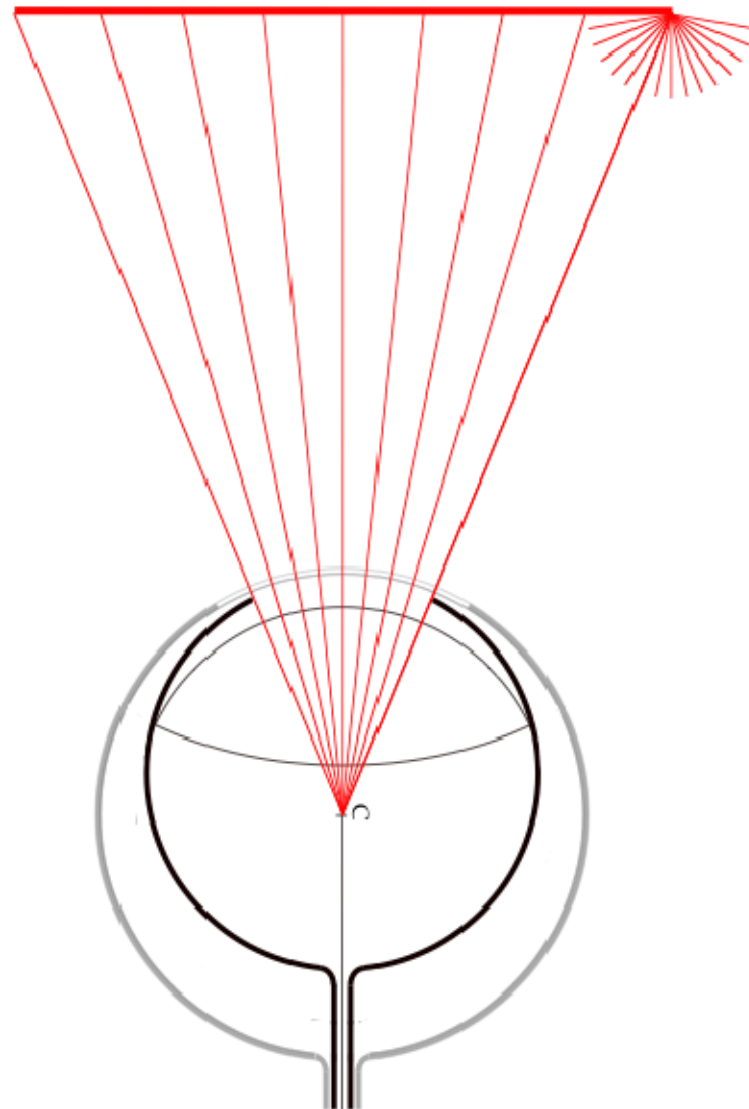
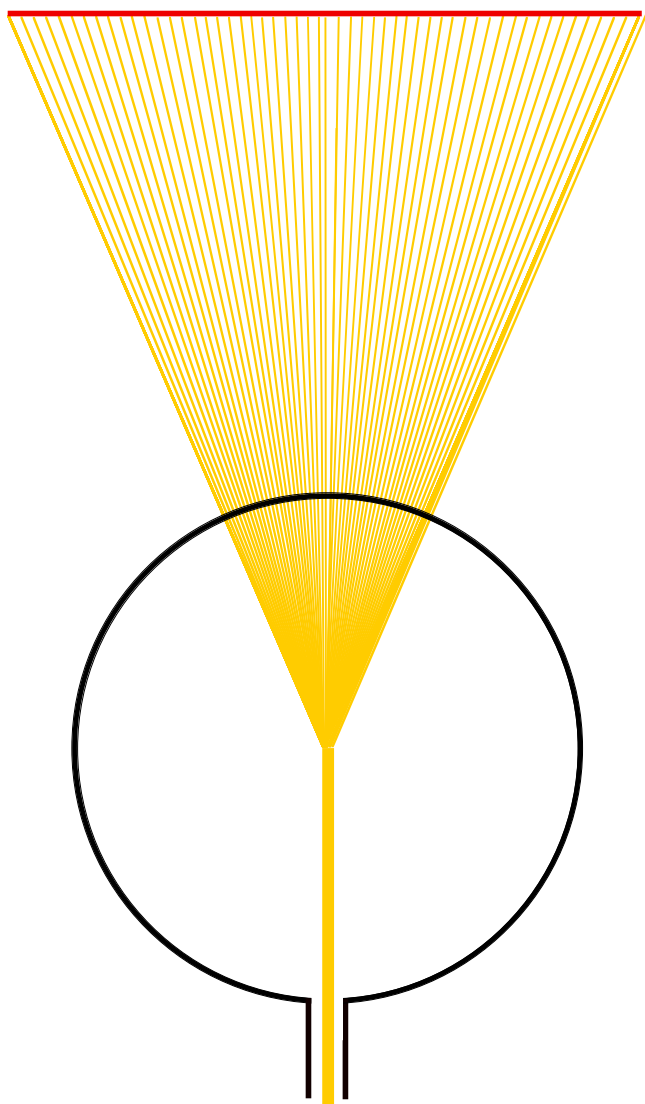


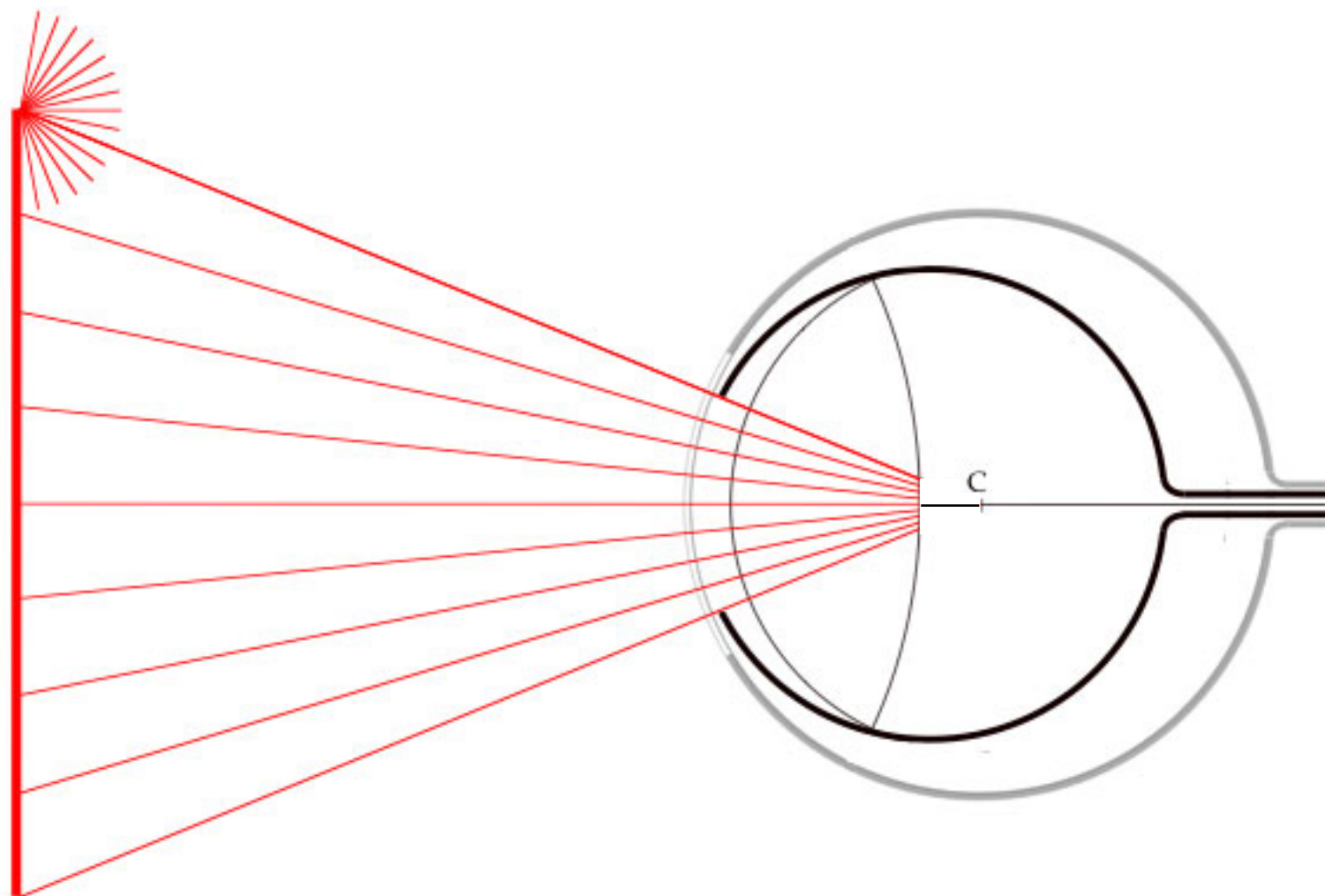


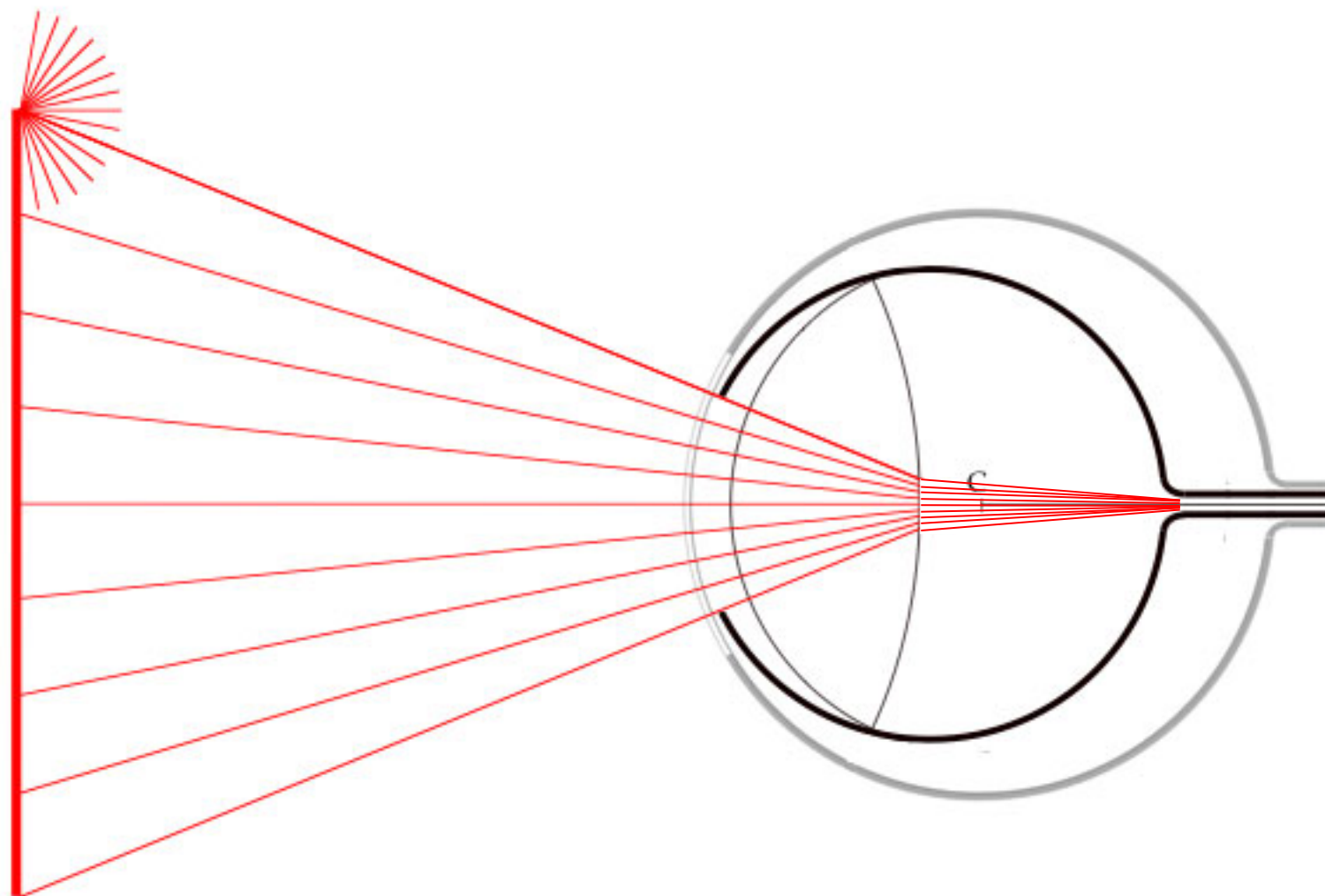




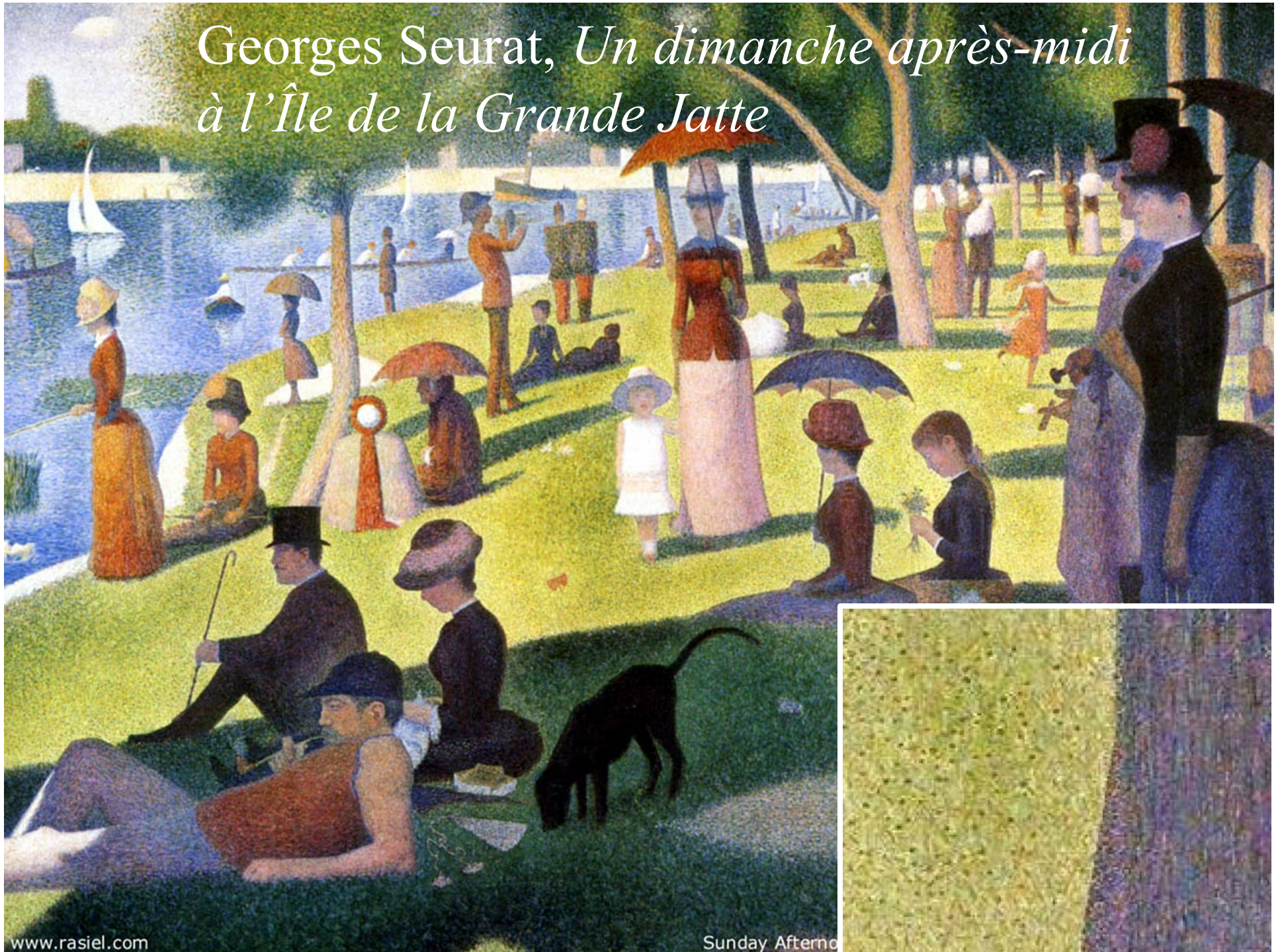


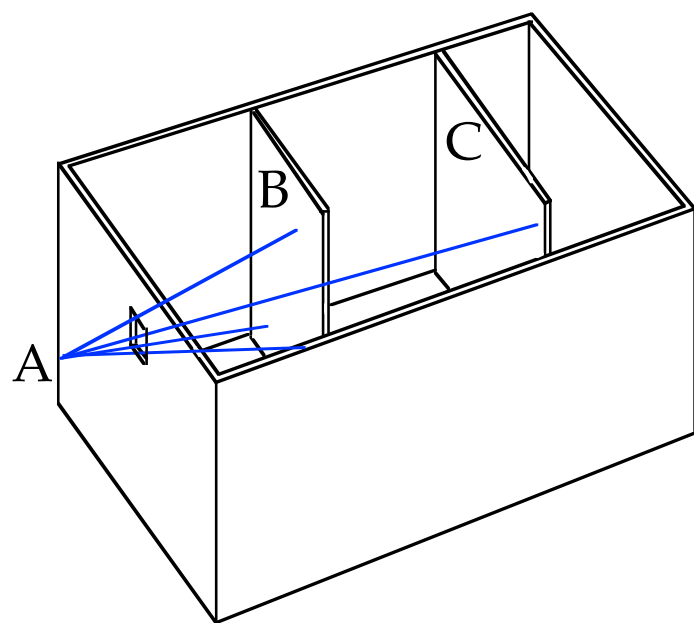


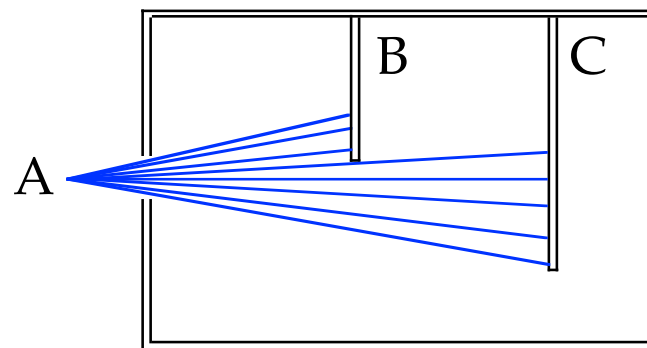
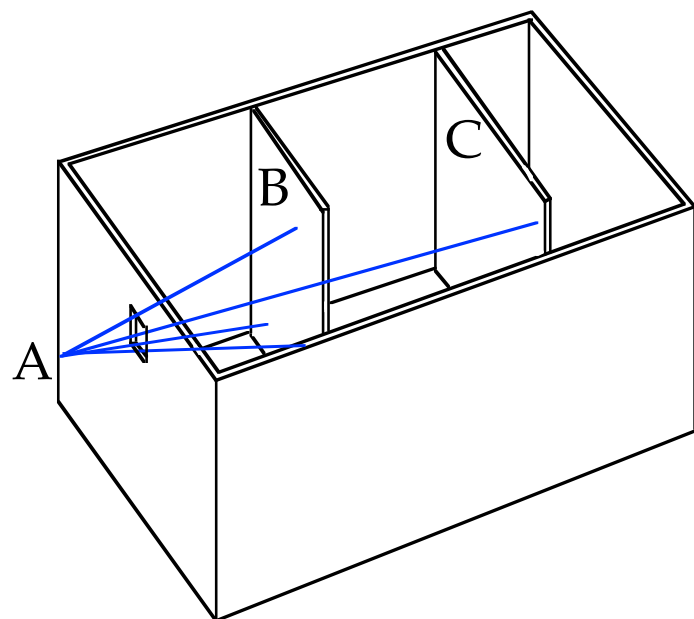


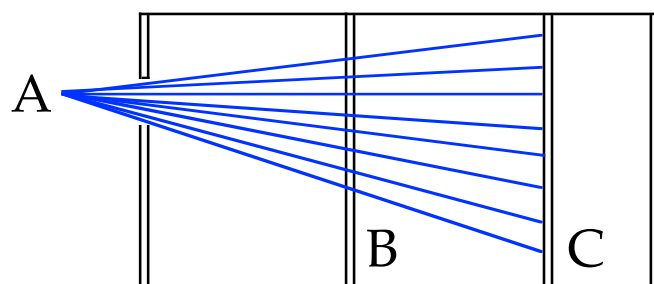
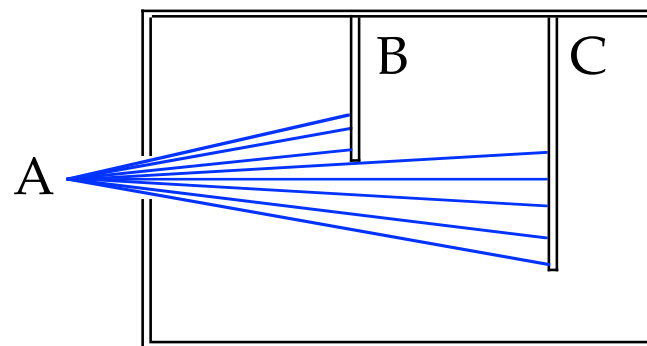
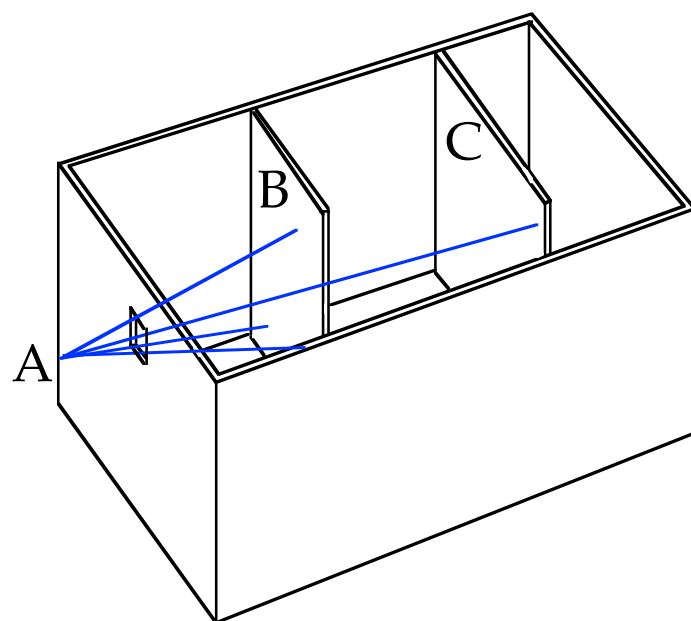


Georges Seurat, *Un dimanche après-midi
à l'Île de la Grande Jatte*









B	C
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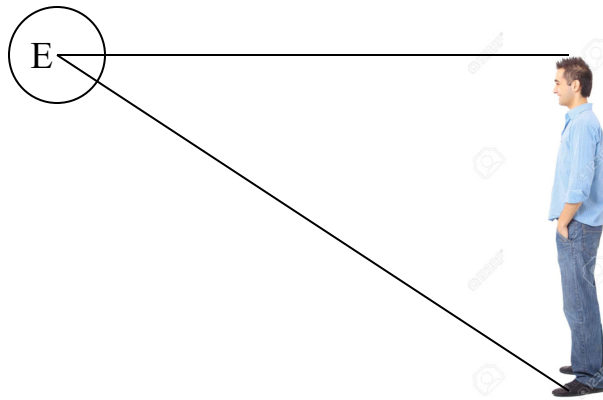
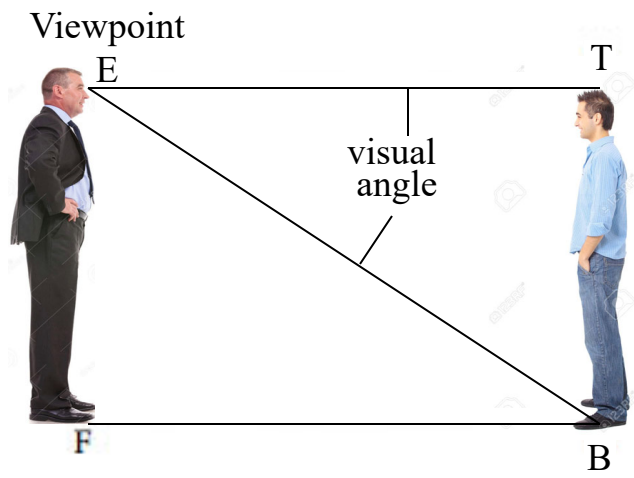




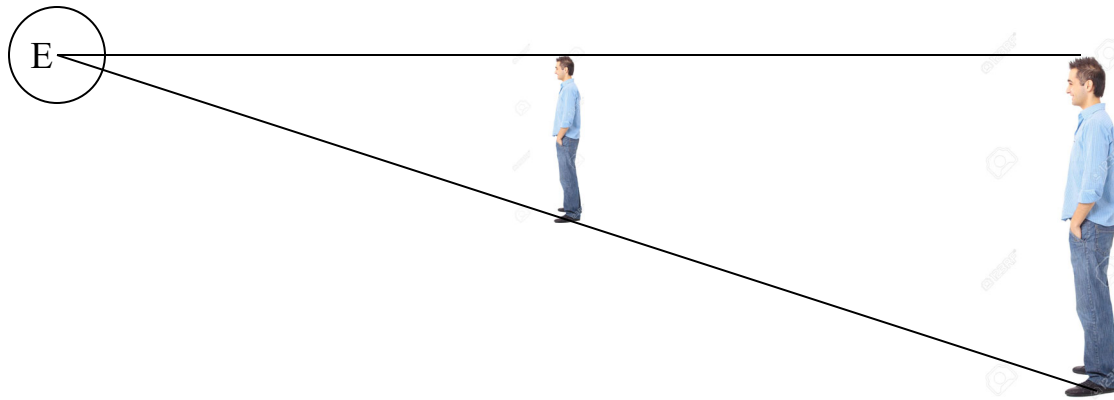
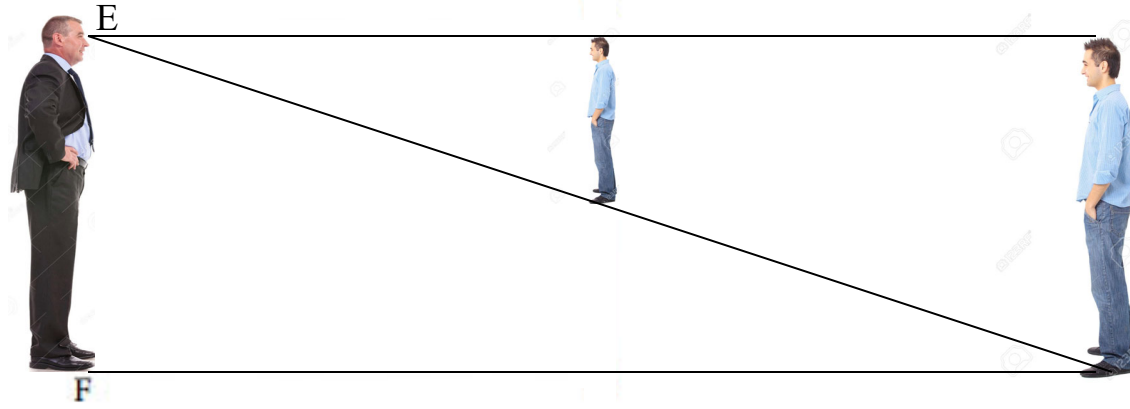


Viewpoint

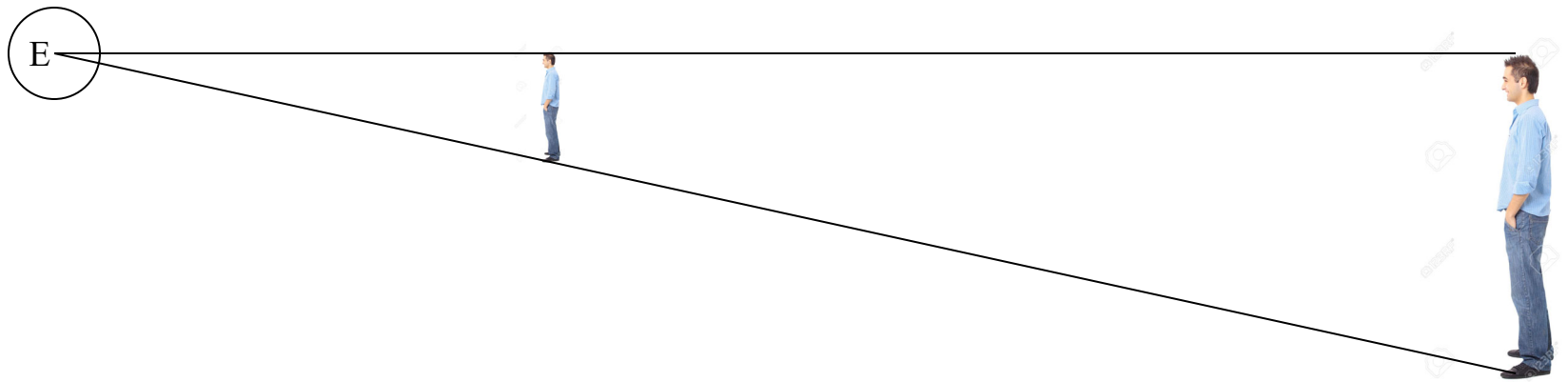
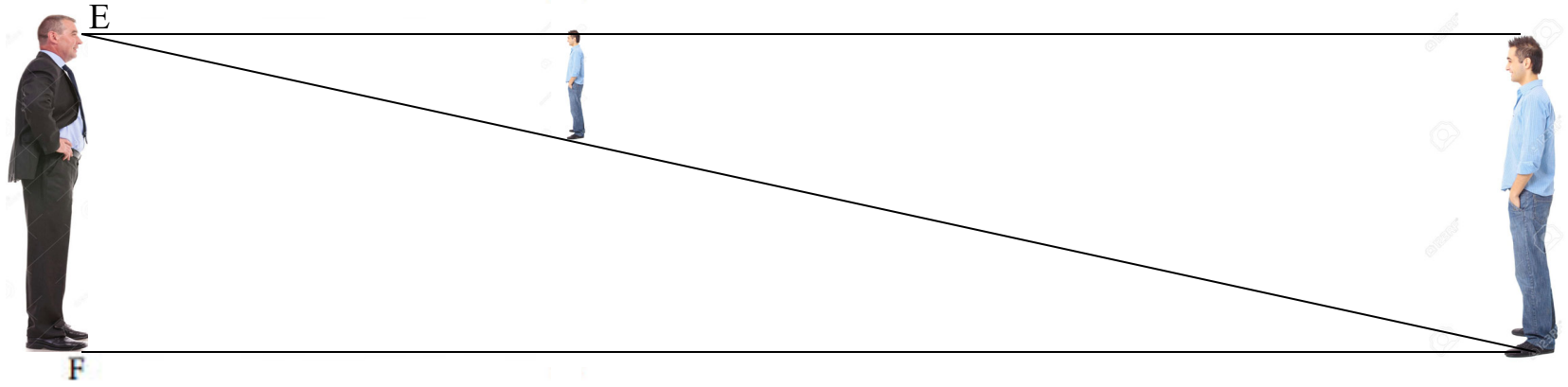




Viewpoint



Viewpoint



E

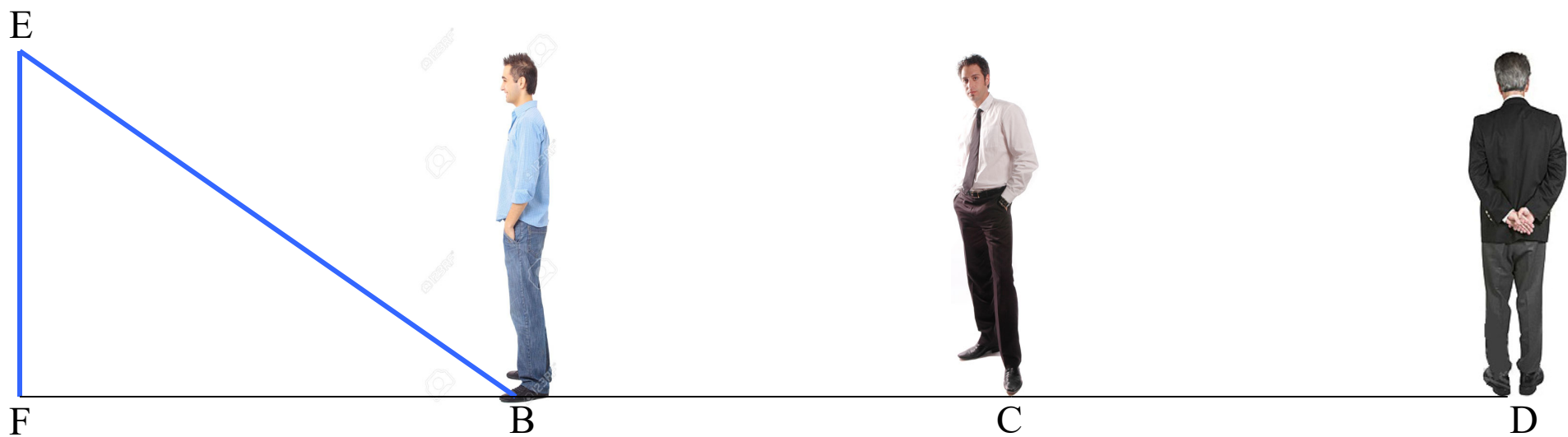
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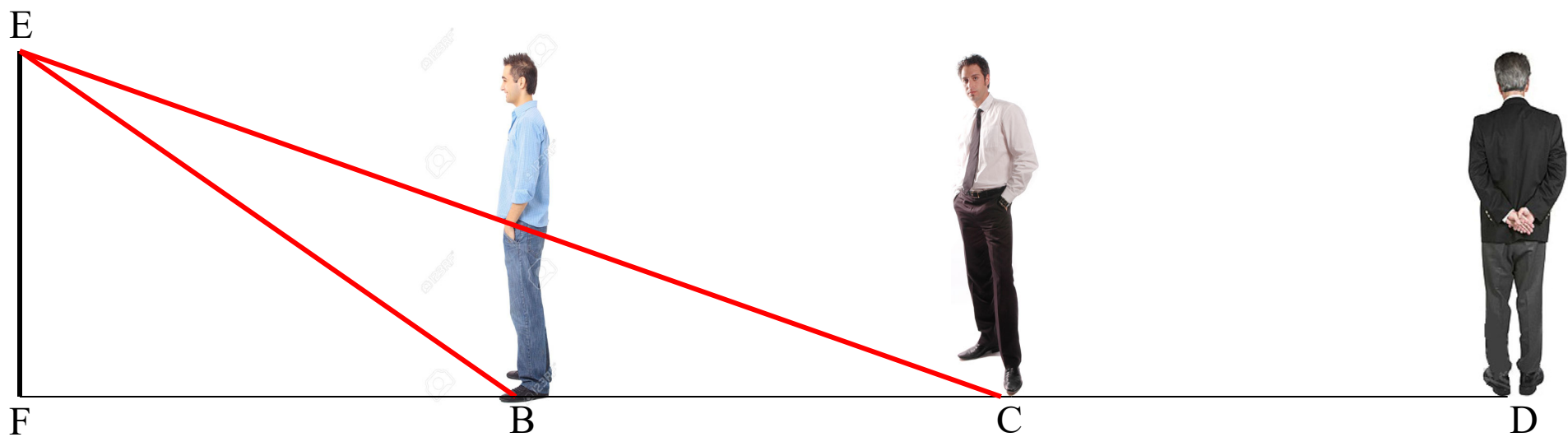
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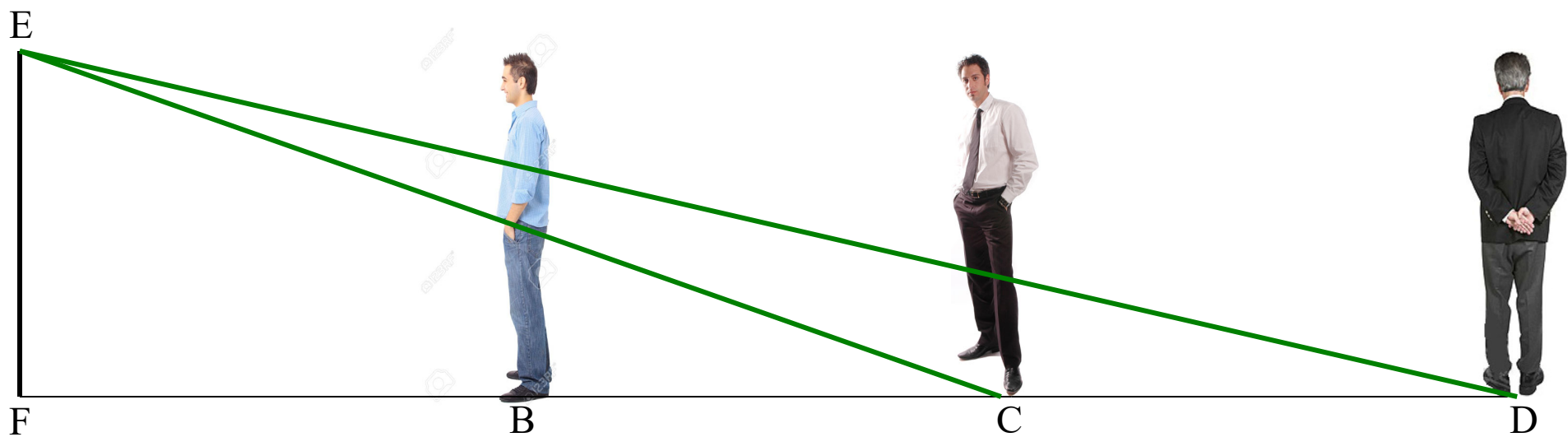
C

D









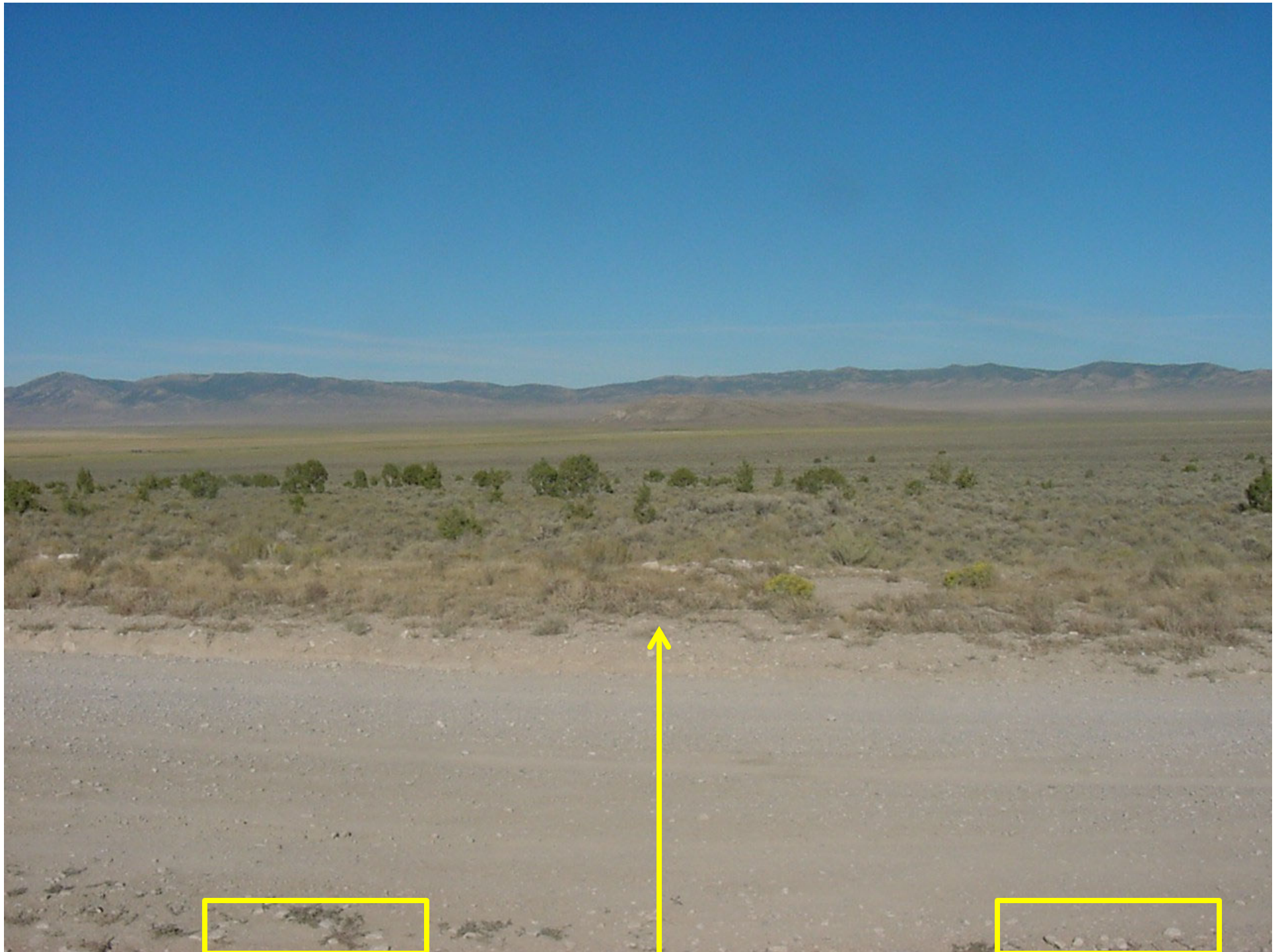


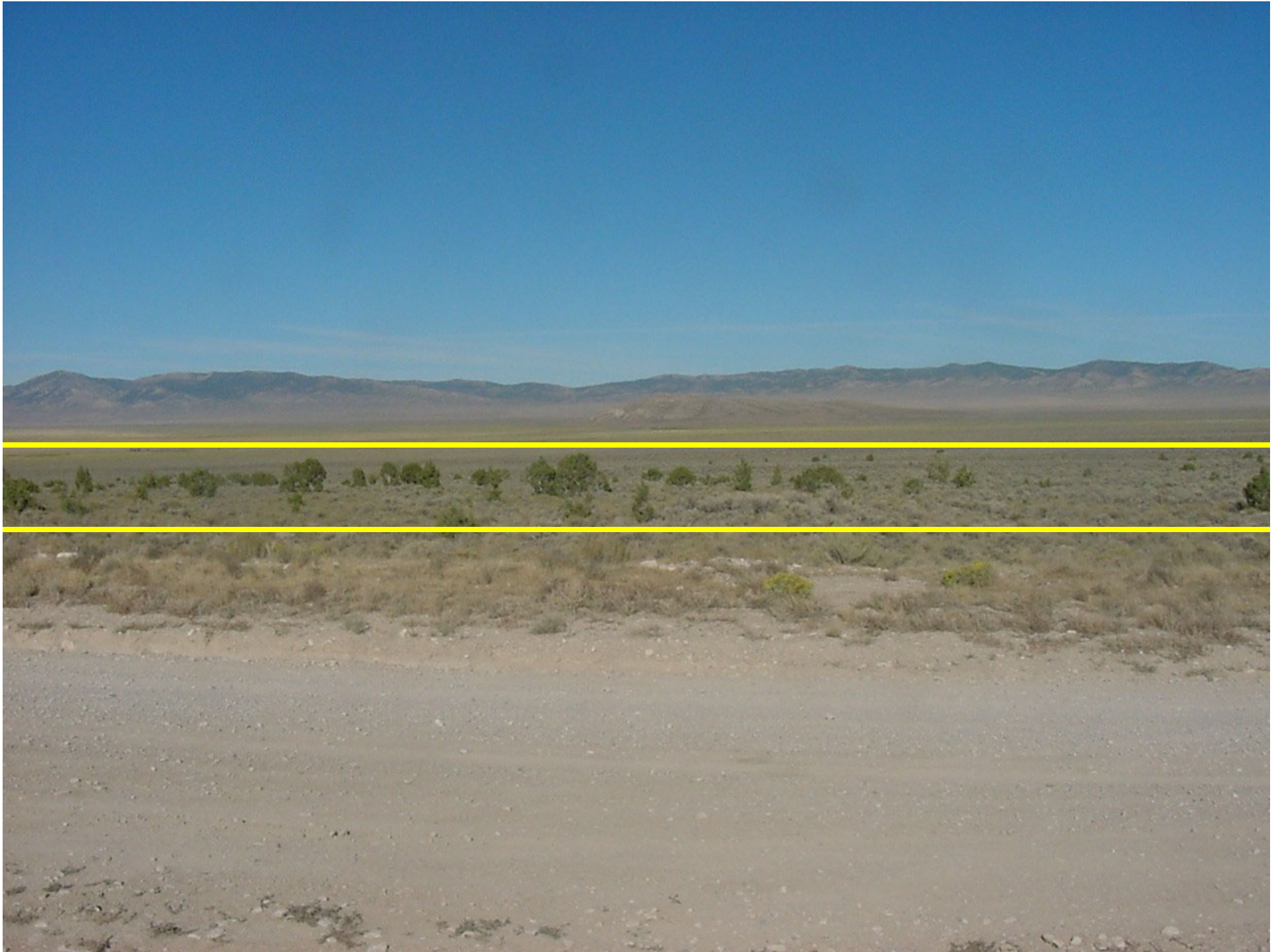






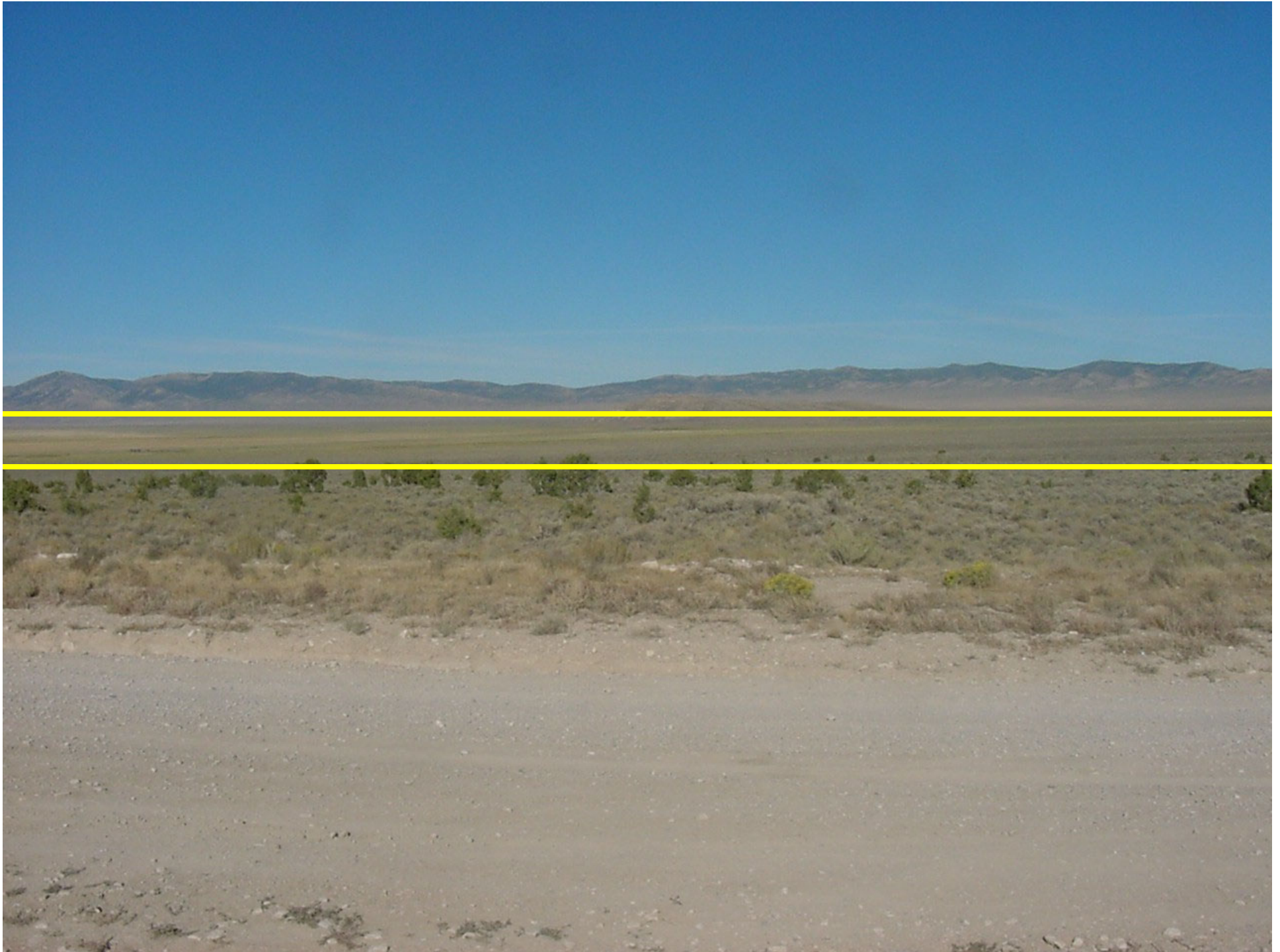




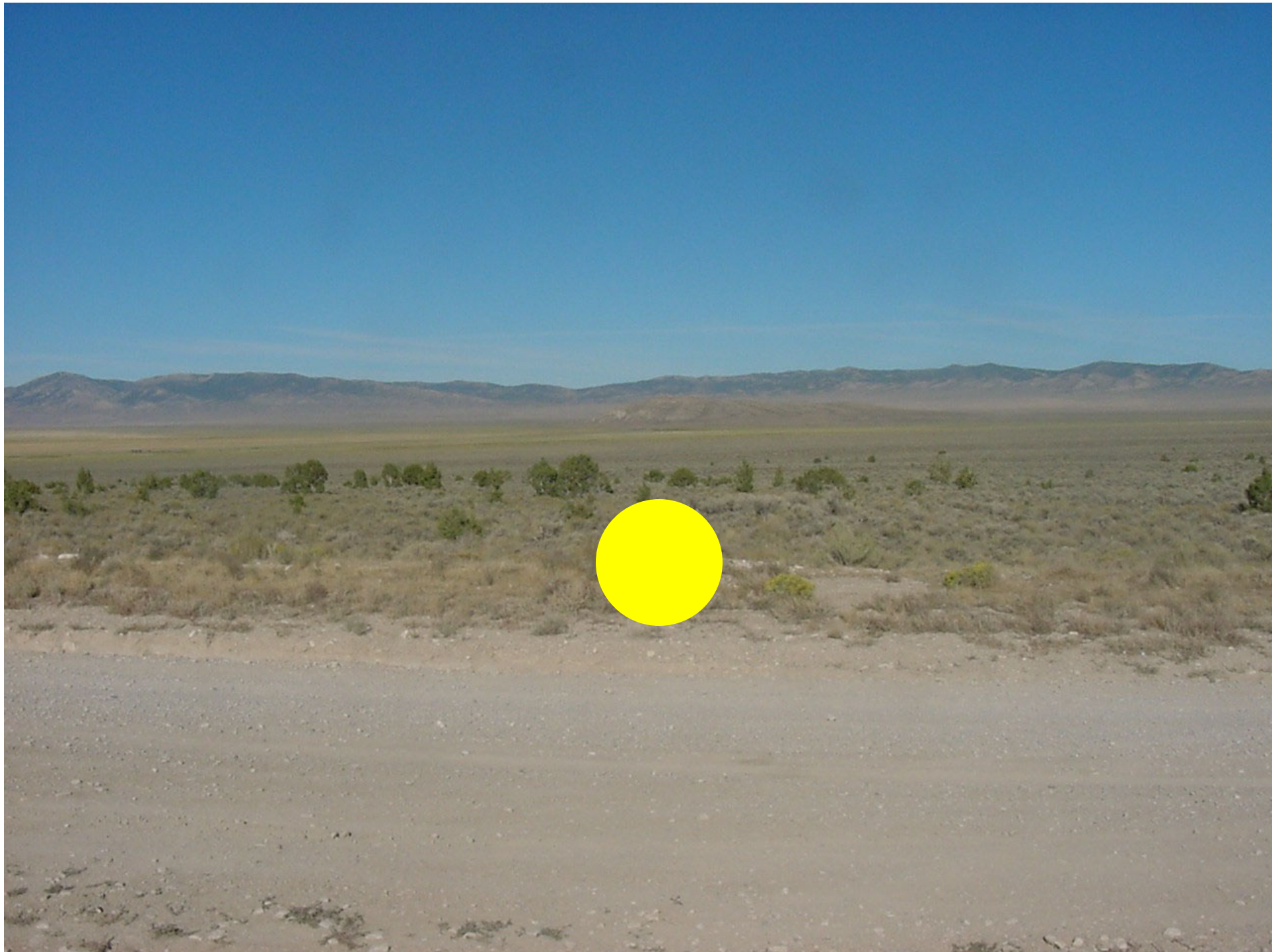






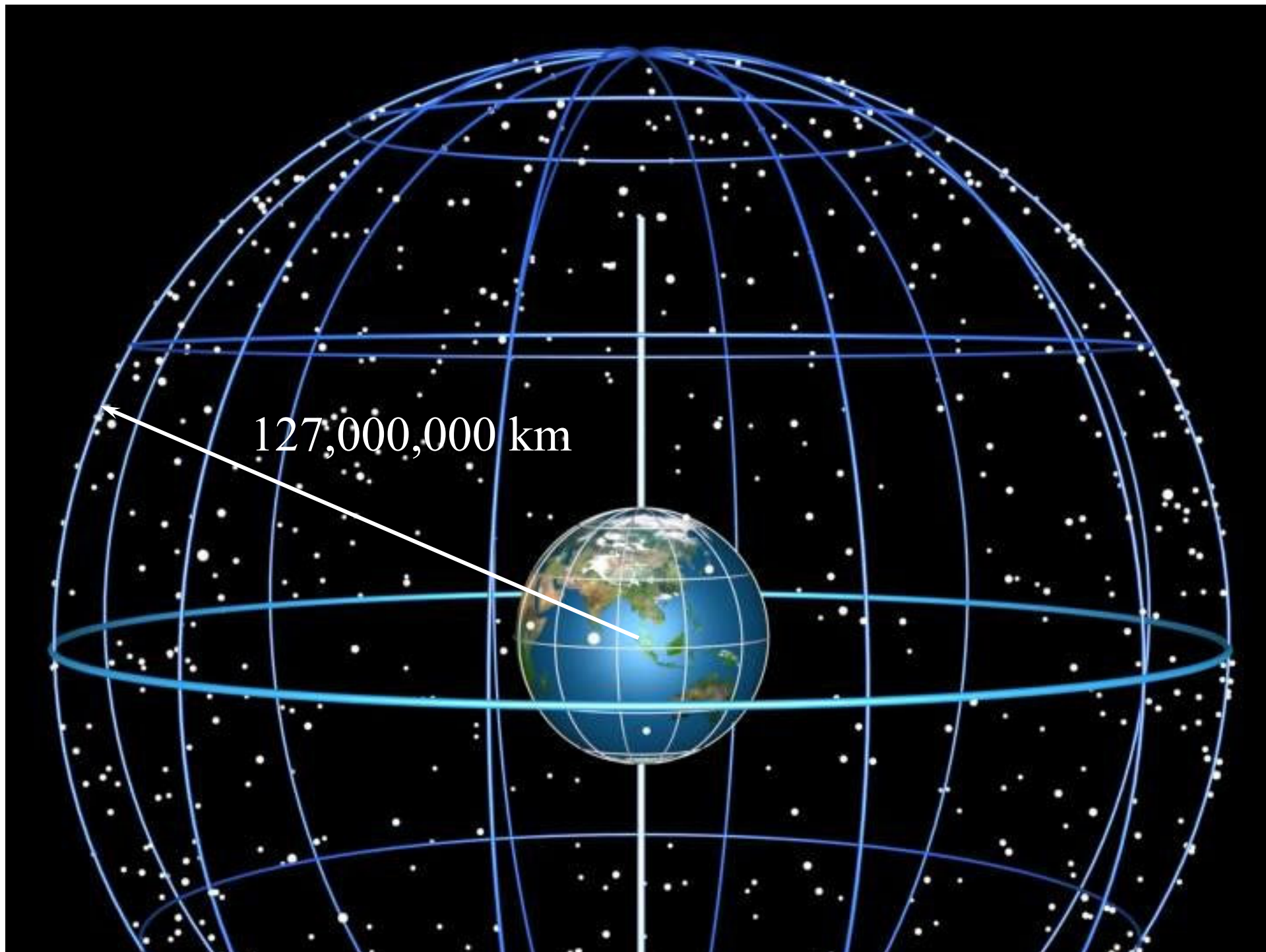












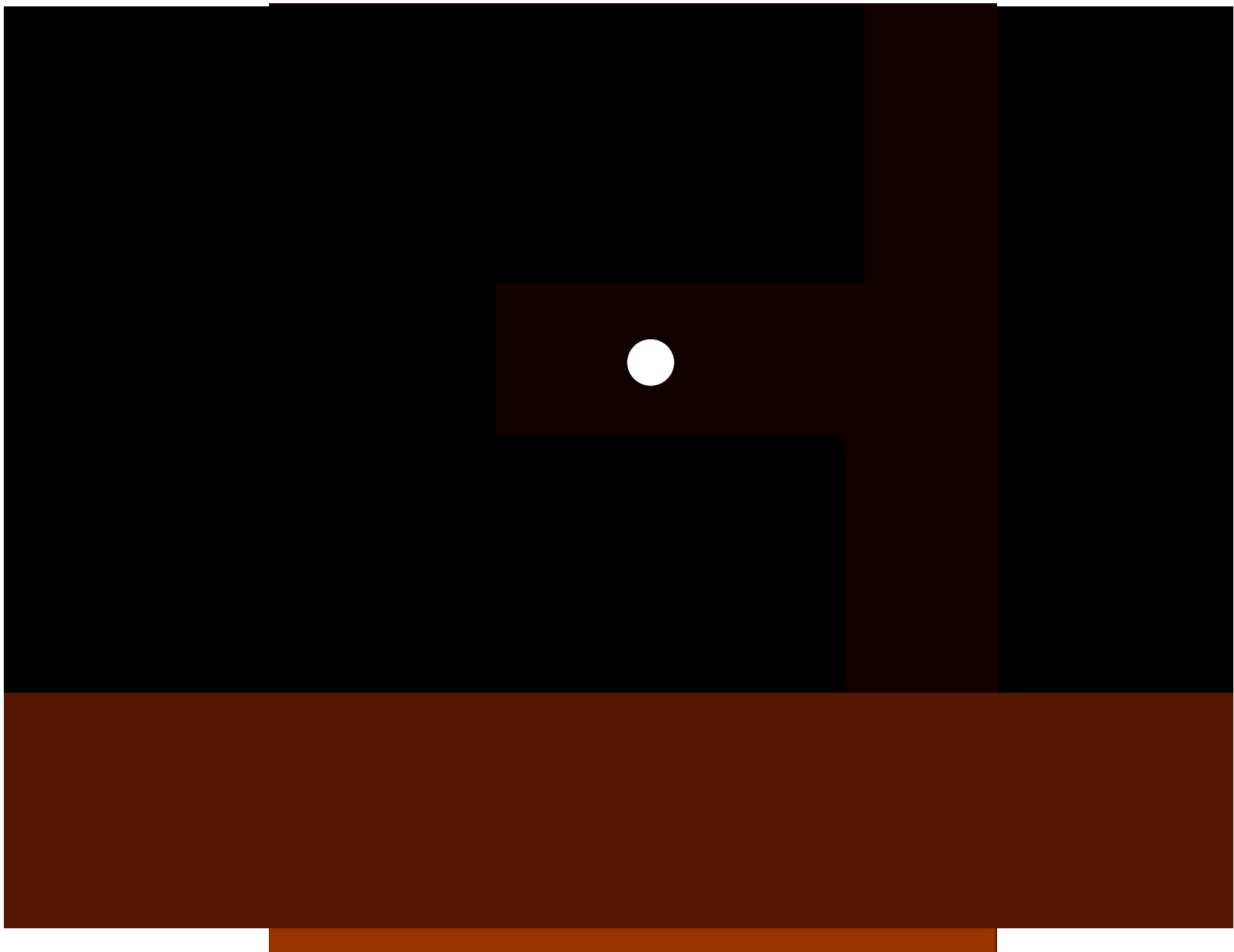


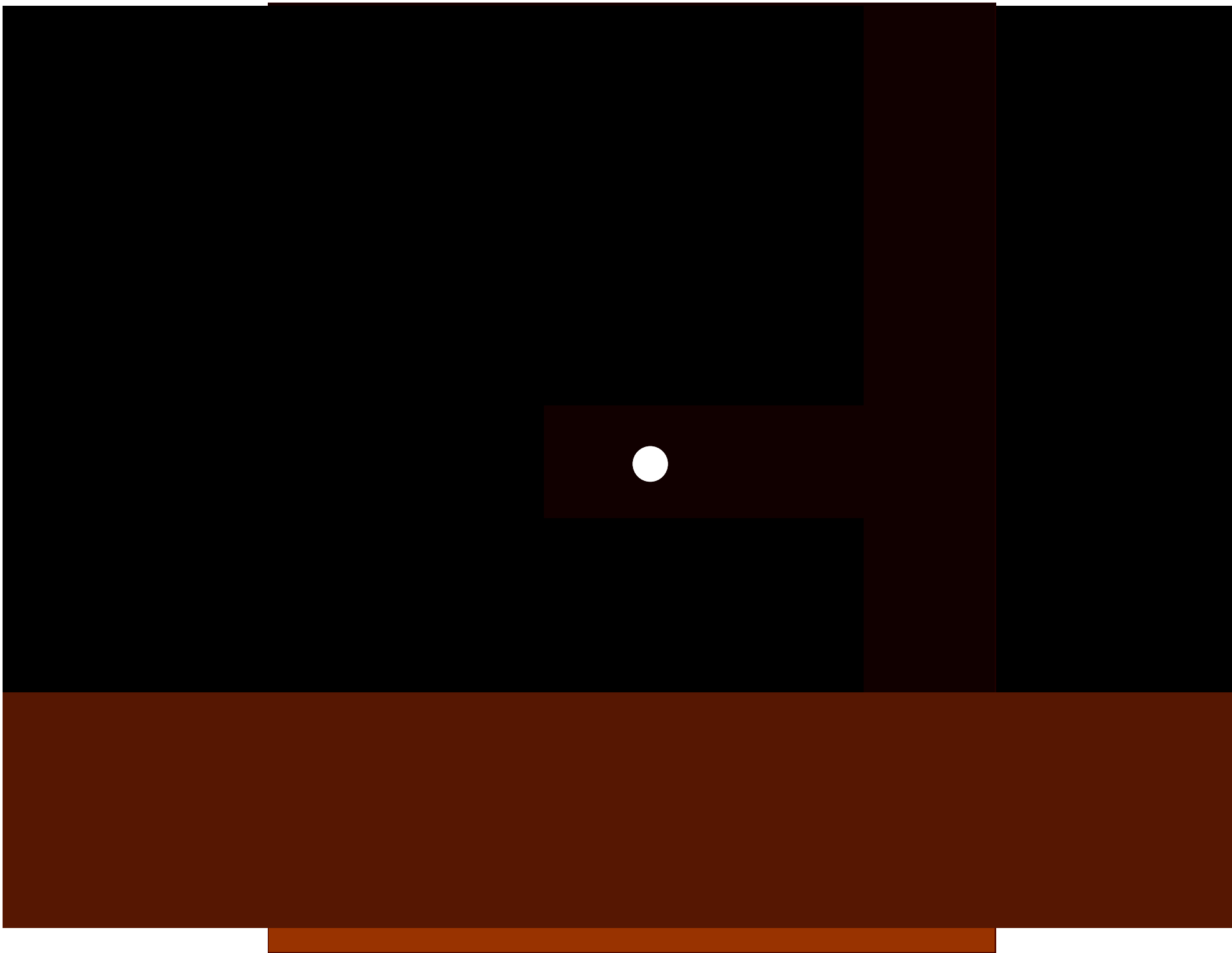


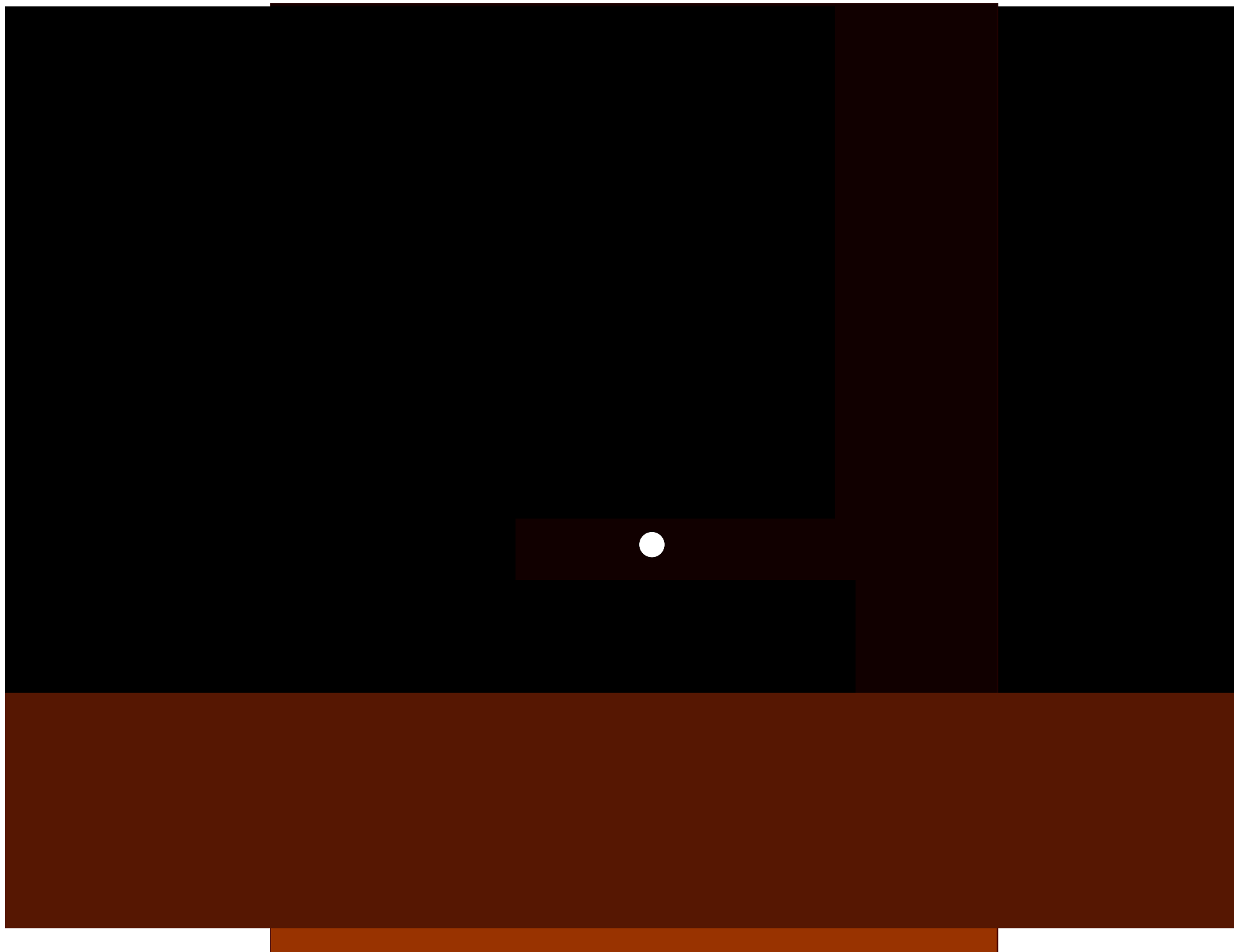


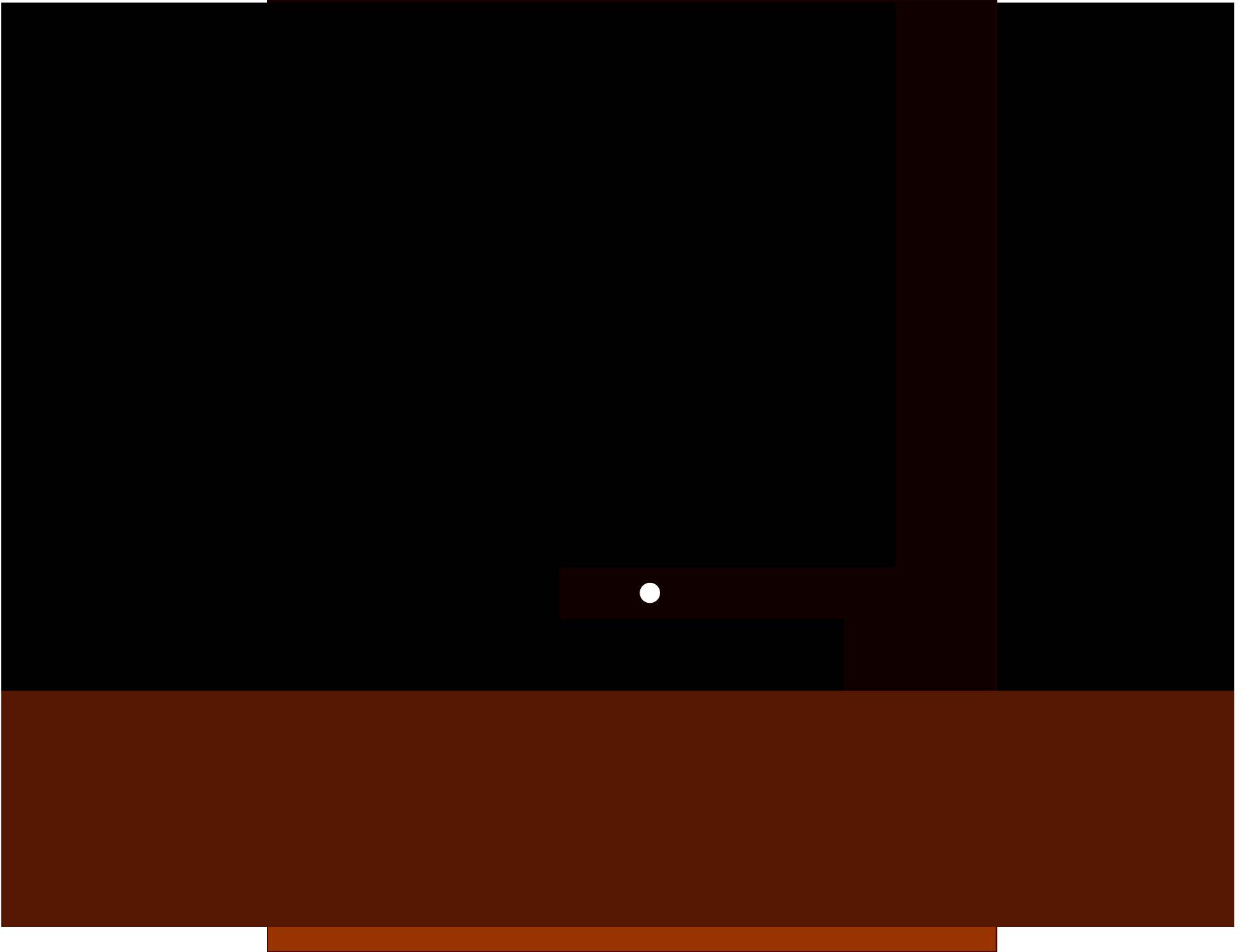
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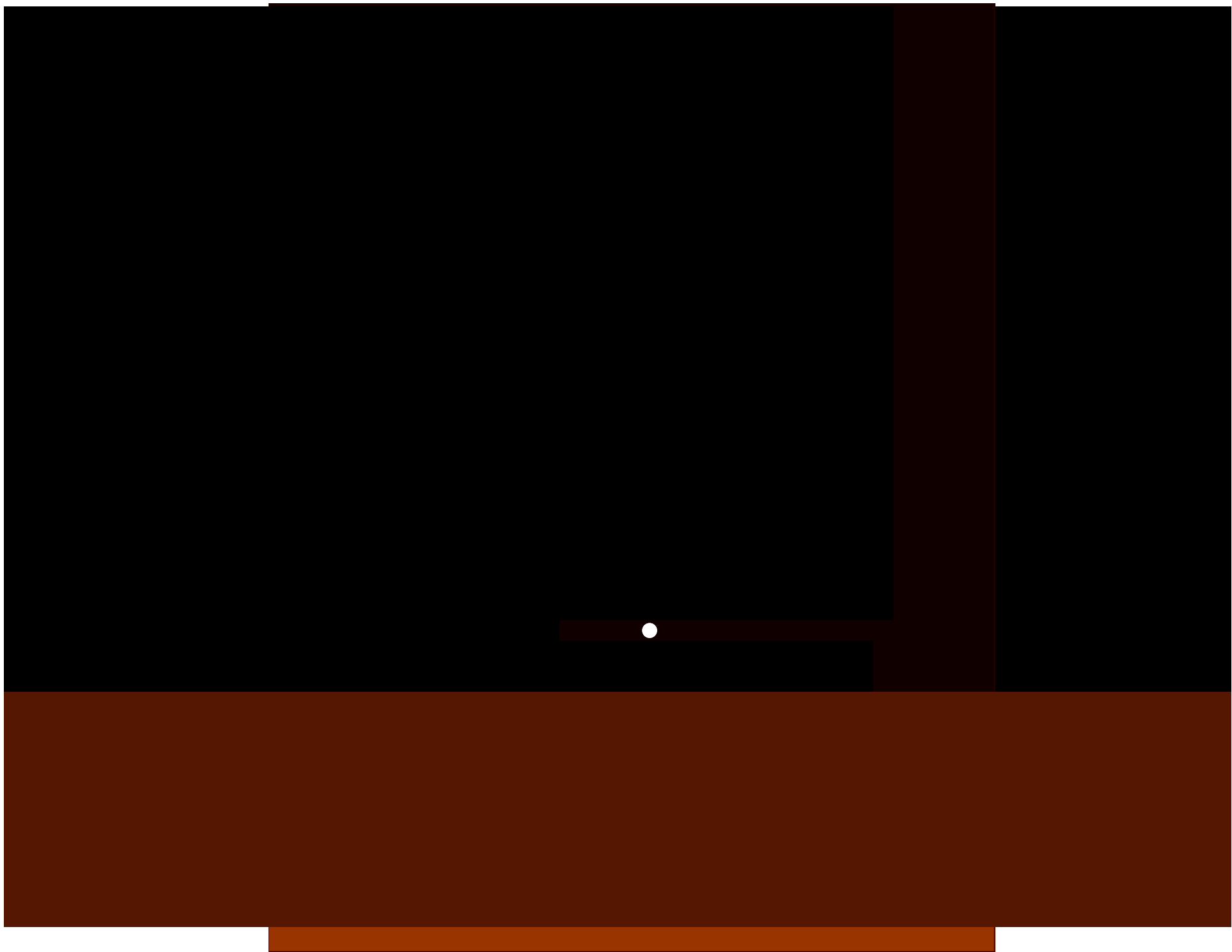




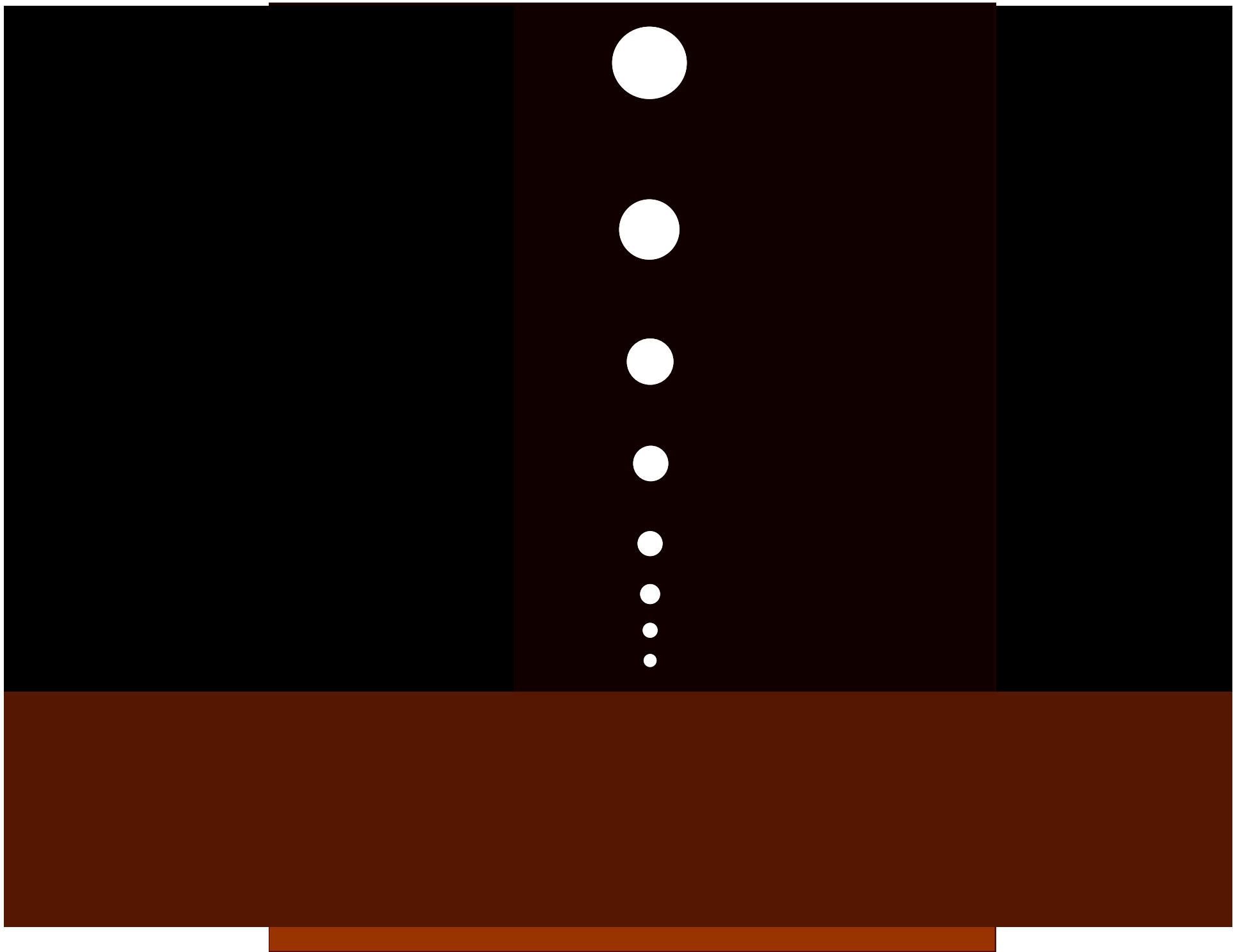


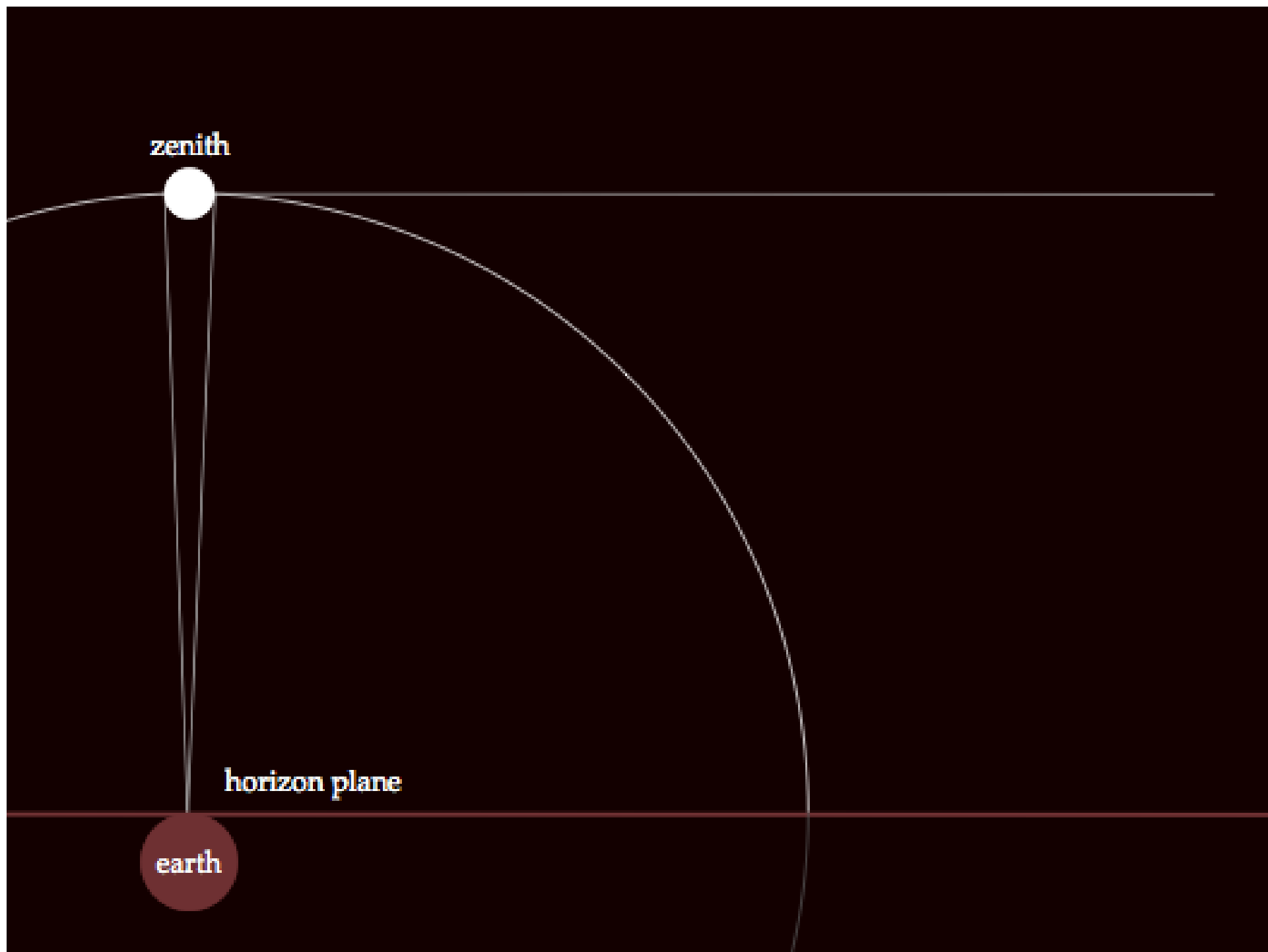


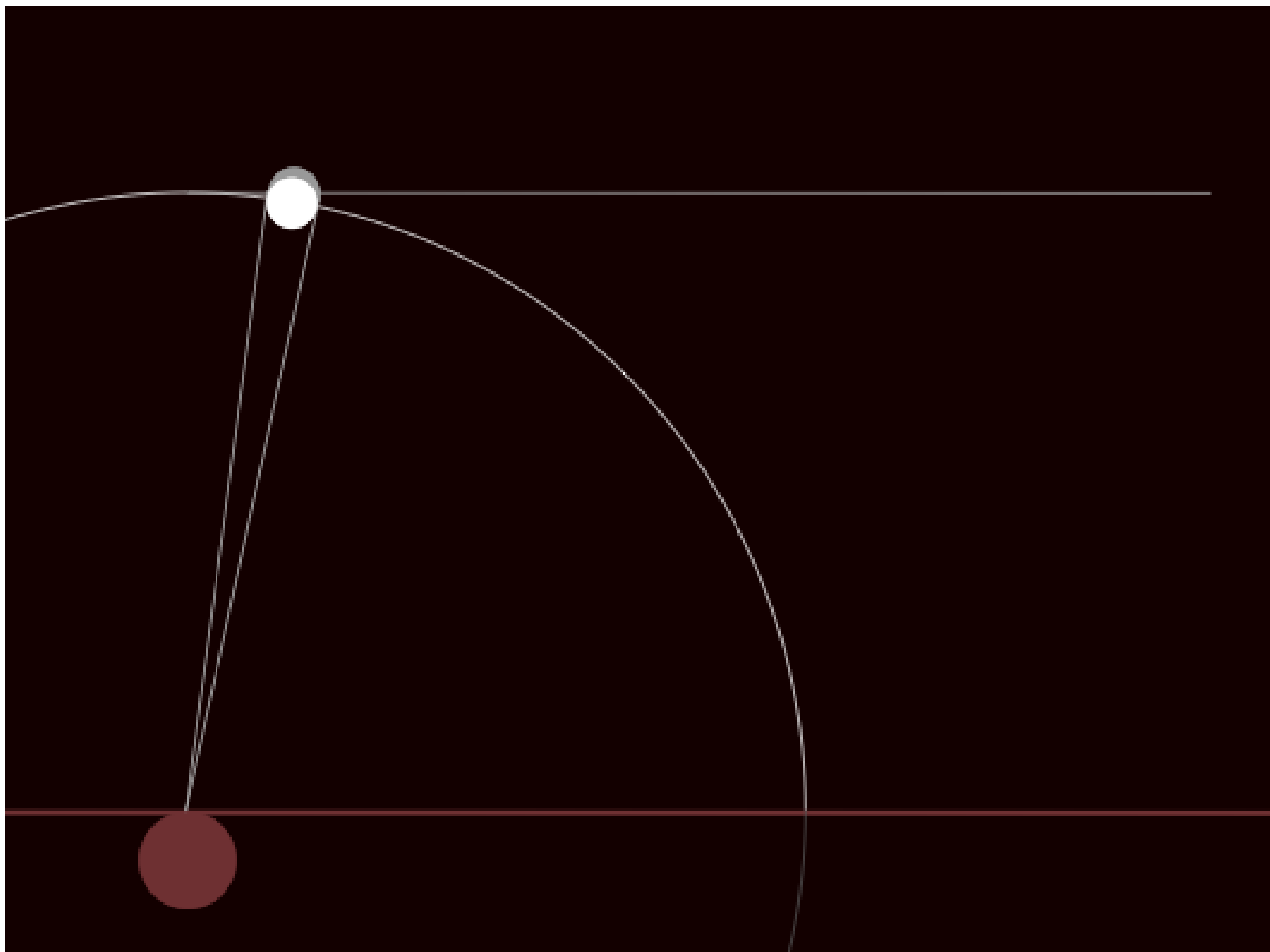


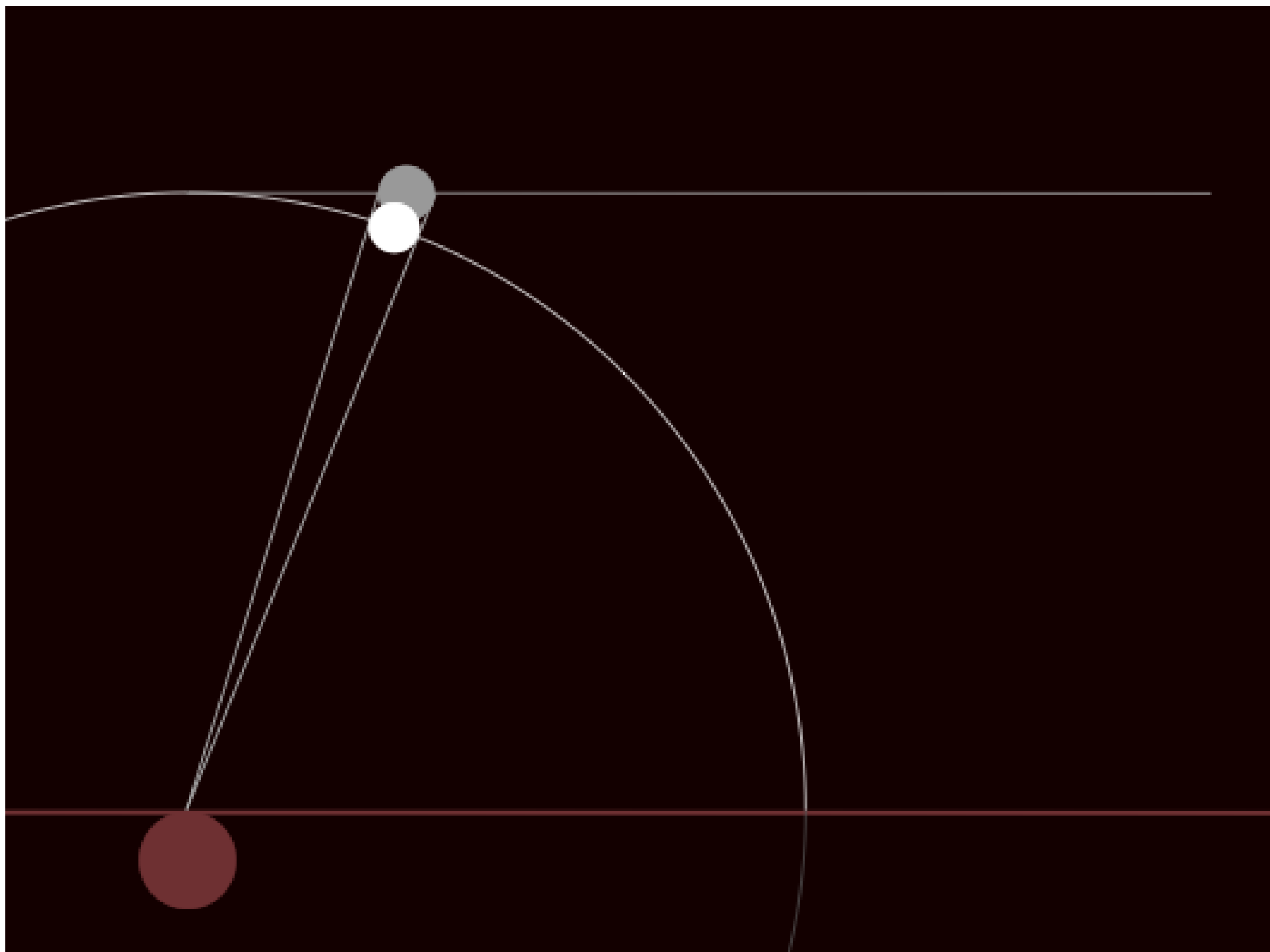


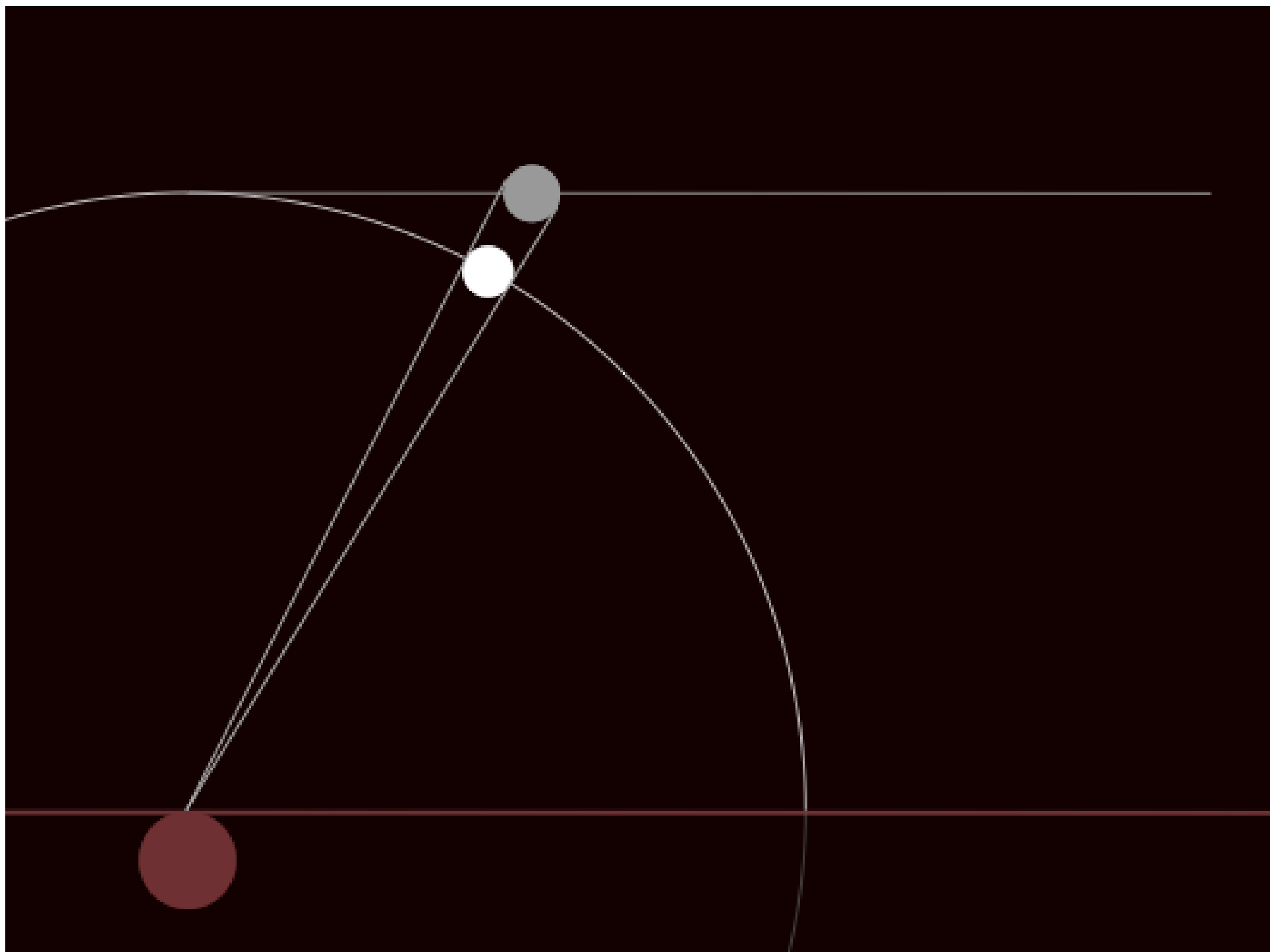


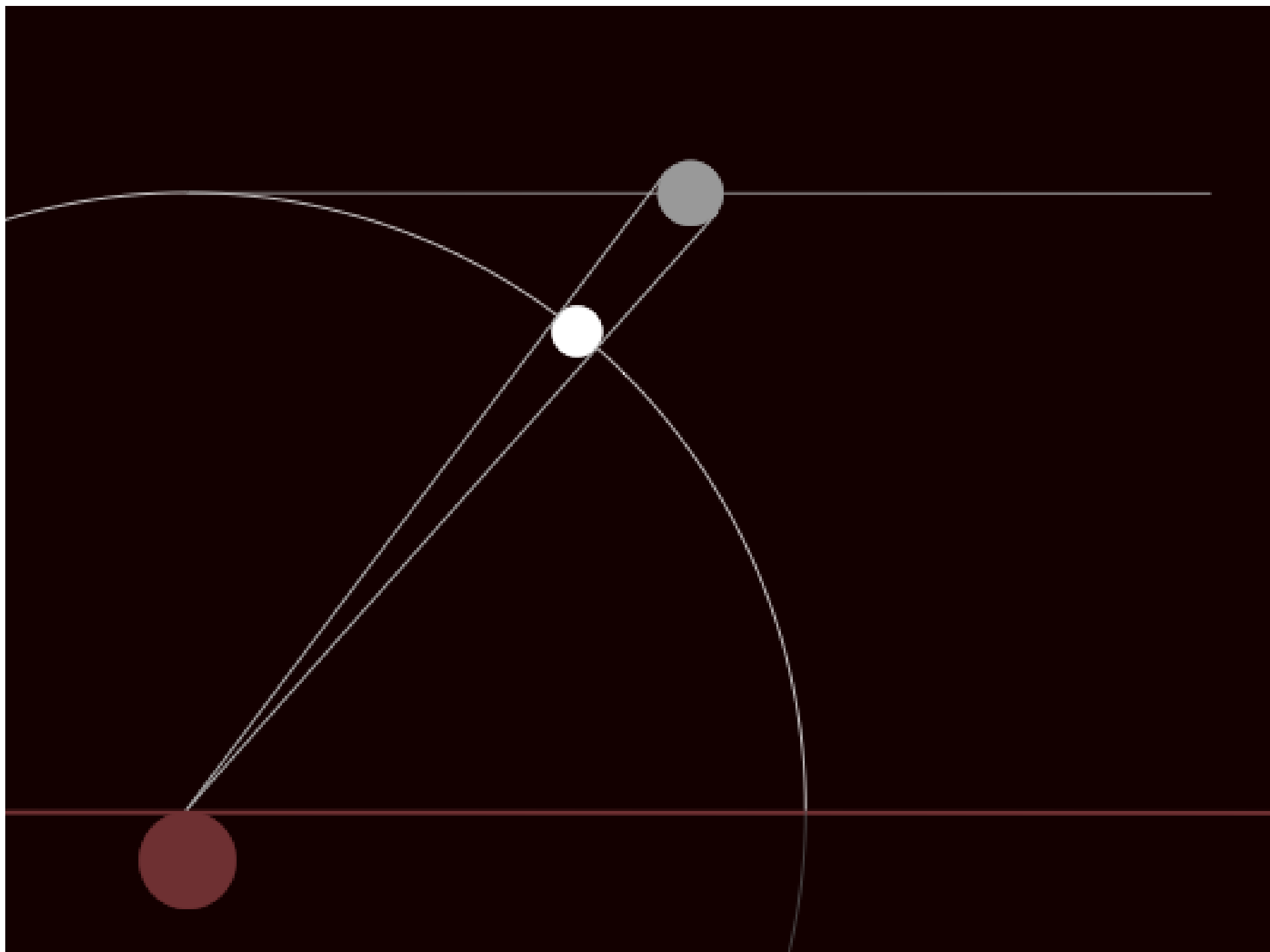


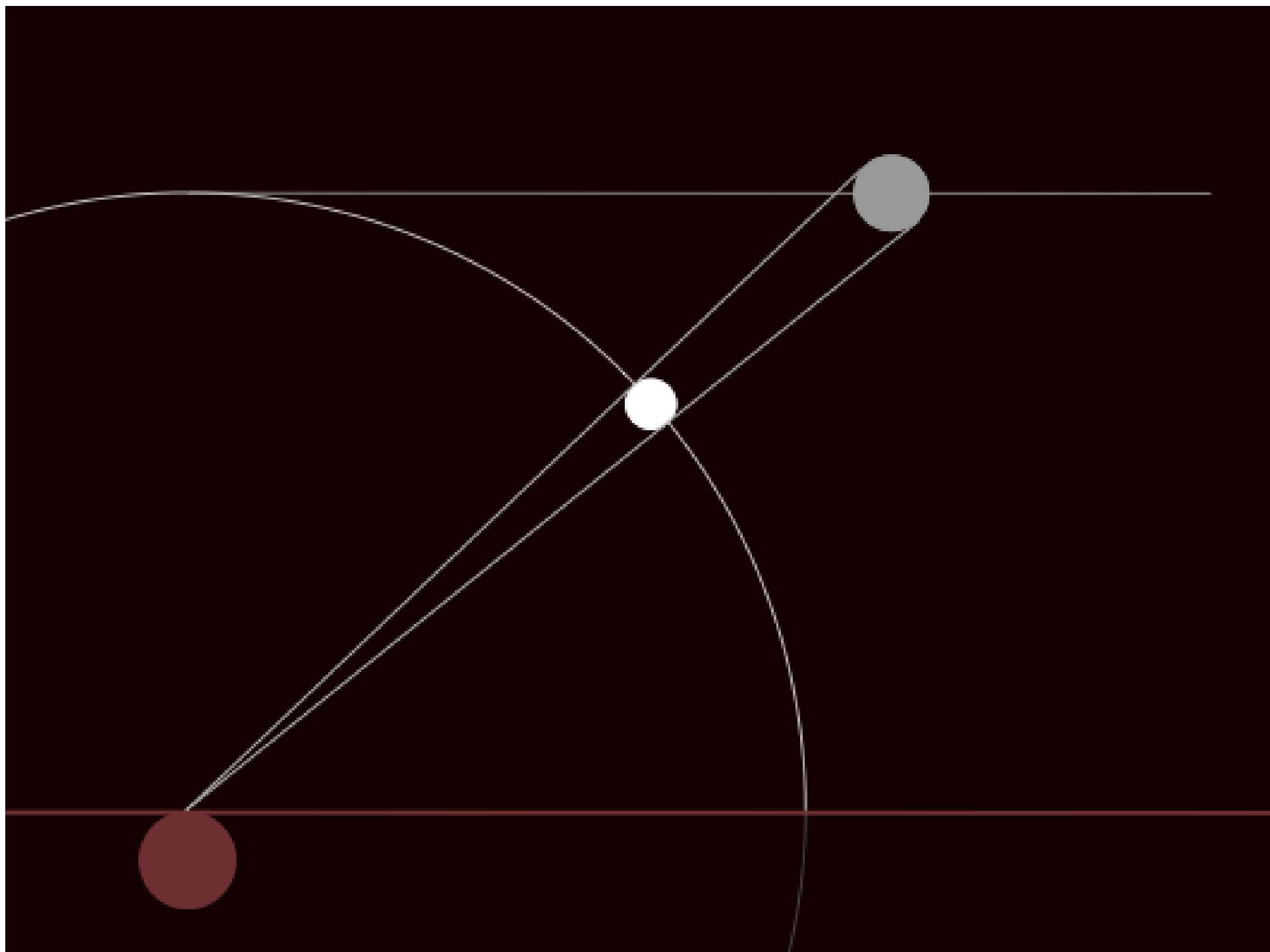


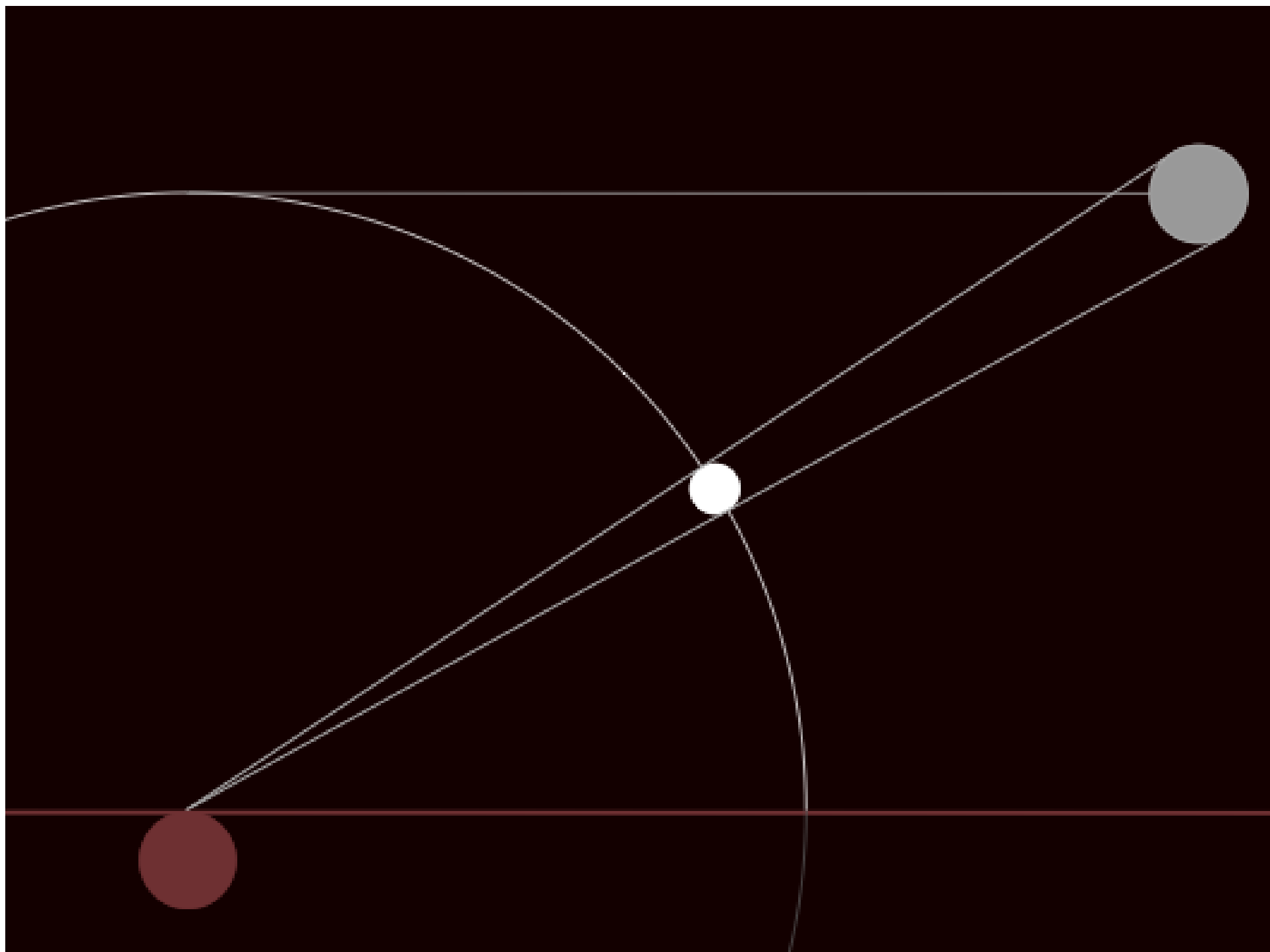


















A photograph of a group of people in a meeting room. In the foreground, a man with a grey beard is sleeping with his head tilted back. To his left, a woman is resting her head on her hand. In the background, several other people are visible, some with their heads down or hands covering their faces, suggesting they are also tired or disengaged. The text "Thank you for your kind attention!" is overlaid in white, serif font across the center of the image.

Thank you for your
kind attention!