

Image and Video Processing: From Mars to Hollywood with a Stop at the Hospital

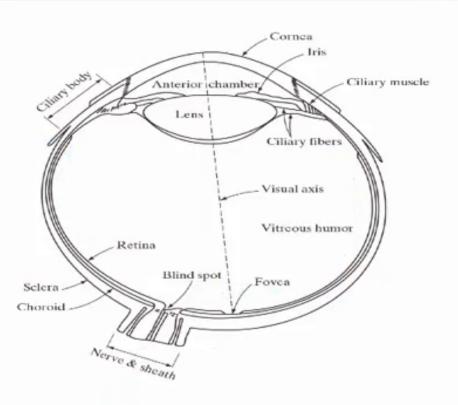
Guillermo Sapiro

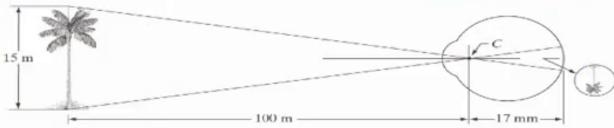


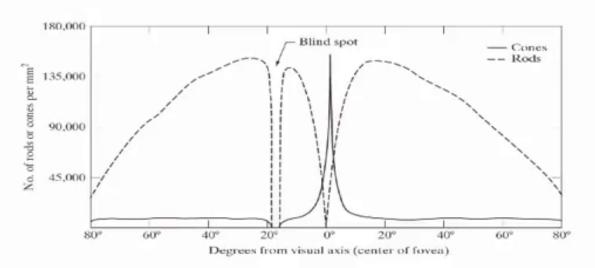


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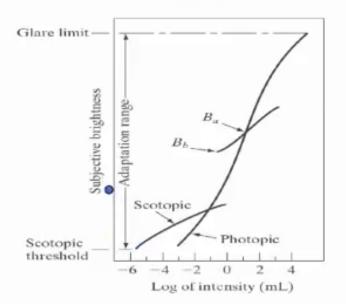


FIGURE 2.4
Range of
subjective
brightness
sensations
showing a
particular
adaptation level.





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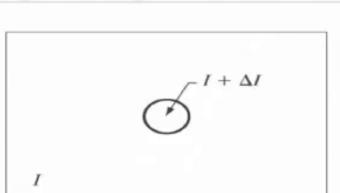


FIGURE 2.5 Basic experimental setup used to characterize brightness discrimination.



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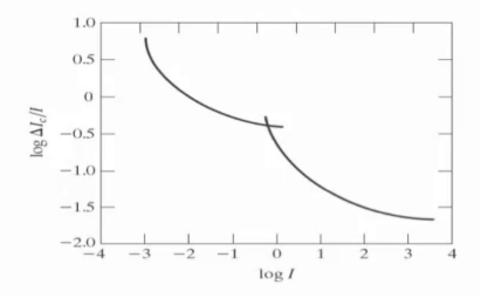


FIGURE 2.6 Typical Weber ratio as a function of intensity.



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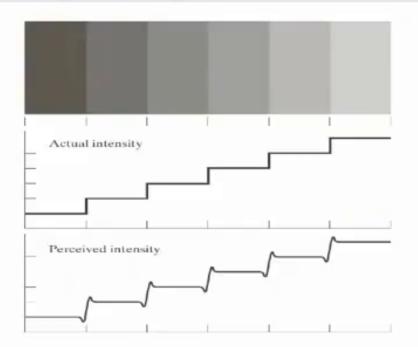




FIGURE 2.7 Illustration of the Mach band effect. Perceived intensity is not a simple function of actual intensity.



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a b c

FIGURE 2.8 Examples of simultaneous contrast. All the inner squares have the same intensity, but they appear progressively darker as the background becomes lighter.



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