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COURSE TITLE: HUMAN COMPUTER INTERACTION

QUESTION

Define Visual Perception and write on the three factors associated with visual perception

ANSWERS

Visual perception is the ability to interpret the surrounding environment using light in the visible spectrum reflected by the objects in the environment. This is different from visual acuity, which refers to how clearly a person sees. It can also be defined as to the brain's ability to make sense of what the eyes see. An understanding of visual perception therefore enables designers to create more effective user interfaces.

1. Awareness- Designers should be aware of visual stress and color blindness and ideally test their designs with people known to suffer from these conditions to ensure that the effects are muted or eliminated entirely.
2. Visual Stress- Visual stress is sometimes known as “pattern induced epilepsy” and while this is the most extreme manifestation of visual stress; it’s worth noting that visual stress can be induced at milder levels by striped patterns in most people.  is a neurological condition. It is a problem with the brain's ability to process visual information such as patterns, light and movement. These images cause the brain to become overexcited and not function properly, leading to physical discomfort and perceptual processing difficulties.
3. Color blindness- It’s not blindness but rather a deficiency in color vision. It is the inability (or sometimes decreased ability) to see certain colors, or perceive color contrasts in normal light. The condition is often inherited. Other causes include certain eye diseases and medication. More men than women are affected.