

Intricacies of Human Secondary Sensation of Architectural Spaces

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ABSTRACT

This research paper delves into the intricacies of the human secondary sensation of architectural spaces, transcending primary sensory experiences to explore the profound impact that built environments exert on individuals. Our investigation extends beyond the traditional boundaries of architectural perception, we explore emotional, psychological, and physiological responses to architectural spaces. Employing a multidisciplinary approach, this study integrates insights from psychology, architecture, and neuroscience to elucidate the complex interplay of factors influencing secondary sensations. The findings contribute to a more holistic understanding of the dynamic relationship between humans and their surroundings. Through a unique off-site experiment, participants were blindfolded and transported to diverse real-world locations, engaged in a nuanced exploration of transitions between spaces with varying wall textures such as Rough, Semi Rough, and Smooth. The research method facilitated an immersive understanding of the complex interplay of factors influencing secondary sensations. Qualitative data was collected through open-ended participants' reflections and augmented by multimedia documentation, revealing a heightened sensitivity to variations in wall textures. Participants consistently showcased an intimate reliance on non-visual sensory cues, underscoring the dynamic relationship between humans and their architectural surroundings. This heightened awareness, extending beyond mere tactile perception, sheds light on the intricate web of emotional, psychological, and physiological responses evoked by architectural stimuli. By unraveling the multifaceted nature of secondary sensations, this research goes beyond conventional architectural studies, advocating for a more inclusive approach to design that accommodates the diverse dimensions of human perception. The integration of insights from psychology, architecture, and neuroscience not only enriches our understanding of spatial cognition but also provides practical implications for architects and designers. This study encourages a paradigm shift, emphasizing the creation of environments that authentically and inclusively resonate with the intricate interplay of human experiences within architectural spaces, shaping a more enriching and harmonious built environment for all.

Keywords: Architectural Spaces, Human Perception, Emotional Responses, Built Environment, Secondary Sensation.