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Product Design Using a Multimedia Three-Dimensional Hybrid Algorithm for Architectural Interior Modeling

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Editorial

Interior modeling items come in a variety of shapes and sizes, with the product itself on one hand and objective aspects like colour and style on the other. Color is a vital feature of interior architectural design, and it is a modelling element that is both dynamic and expressive. The psychology and living demands, as well as the social surroundings and structural elements of interior architecture, must all be considered when selecting and applying interior architectural colours. Meanwhile, because the use of interior architectural colours is getting increasingly difficult, colour design should take into account people's perceptions of comfort.

The outdoor interface is reserved for architectural design and complementation of positive and negative spaces to respond to the overall sense of the building. Patterned planar landscape design techniques are abandoned in favour of large areas of water, large paving, large areas of plane, and vertical greening, and the outdoor interface is reserved for architectural design and complementation of positive and negative spaces to respond to the overall sense of the building. "Unified design" does not imply that a designer or design firm accomplished all of the designs. The pace of design is quickening, and professional design is being merged through the marketplace, necessitating design cooperation. This is especially true when it comes to the design of public structures. The exterior arrangement, curtain wall structure, and internal space were all taken into consideration from the start of the architectural design. The high degree of completion of architectural design products depends on the designer's comprehensive ability: sensitivity to multiple visual arts, ability to comprehend through a comprehensive study, and cognitive ability of multidisciplinary engineering, as well as communication and collaboration skills with the construction team, the owner, and other stakeholders under the "grand design," additional designers can create a cohesive design [1-5].

The interior modelling products of the building are designed in an attempt in this paper, based on the multimedia three-dimensional hybrid algorithm, taking the description of visual comfort and chromaticity as the starting point and constructing an economical and applicable interior architectural design model with colour comfort perception. Architectural space is a full sense of spatial size that individuals perceive via their senses (hearing, visual sense, smell, touch, and psychology)

Because individuals spend so much of their time inside, the quality of their interior environment will undoubtedly have an impact on their safety, hygiene, efficiency, and comfort. The size and shape of a building's interior space, the linear pattern of the interior interface, and other factors will give people a strong long-term and close-range physical and psychological feeling, and they will be able to touch and feel interior furniture, lamps, and other items; thus, it is natural that interior product design requirements are more in-depth, detailed, and meticulous. This must be regarded more from the standpoint of people's bodily and mental health and comfort, as well as from the standpoint of spiritual and cultural enrichment.

The majority of the day lighting and lighting, tone and colour configuration, material texture and lamination that make up the interior light and visual environment, as well as sound insulation, sound absorption, and noise background in the interior sound environment, all of which must be considered in modern interior product design, will be quantified. Interior design integrates the interior space, interface line shape, interior furniture, lights, equipment, and other elements to create an interior environmental art experience for humans. As a result, interior product design and ornamental art are inextricably linked. The time element is strongly tied to the design of architectural interior goods, with the update cycle reduced and the update rhythm quickened. In the realm of interior product design, a number of related challenges, such as layout, interface structure, and decorating, building process, and material selection due to time constraints, must be taken into account even more.

The new interior environment created by modern interior product design frequently resulted in new requirements in terms of computer control, automation, and intelligence, resulting in higher technological content in interior facilities and equipment, new decorative materials and hardware accessories, and so on. The entire added value of modern architectural interior items and overall interior space has grown as a result of the growth in technological content. After discussing the many aspects of architectural interior product design, two essential elements of the dynamic connection structure of architectural interior products will be examined in detail. First and foremost, the dynamic connection structure has the property of allowing architectural interior goods to fulfill the space's requirements [6-10].

The inner living area that actually belongs to the person gets more small as the house rapidly becomes a luxury in people's lives. The sparrow, on the other hand, is little but contains all five internal organs, and even the tiniest interior area requires furniture, lighting, cooking supplies, and so on. As a result, making architectural interior items that maximise their functions in a fixed area and suit the demands of people's everyday lives is critical in design. As a consequence, the dynamic connection structure is employed in interior goods, solving numerous interior space challenges.

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Conflict of Interest

None

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