

Research on Augmented Reality Technology and Its Application in Home Furniture Selection

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Abstract: This topic studies Augmented Reality (AR) technology in supporting home furniture selection, aiming to meet consumers' demand for personalizing living spaces. The objective is to develop an AR system that allows customers to preview interior designs via mobile phones or virtual reality glasses. The research method combines AR theory with experiments based on real-world applications to ensure the system's effectiveness and interactivity. The topic is expected to bring community value by providing advanced technical solutions for the furniture industry and improving the visual shopping experience.

Keywords: Augmented reality, furniture selection, personalized living space, AR system, practical application