

# 云南布朗族传统建筑数字化保护研究

650228

DOI:10.12238/etd.v3i5.5580

**摘要:** 中国民族传统建筑的类型是多种多样的, 数量是巨大的。在面对类型众多的民族传统建筑的保护中, 数字化保护这一文化遗产继承和保护的重要研究策略能够帮助我们更有效地继承和保护中国民族传统建筑, 并对民族传统建筑文化遗产可持续性起到积极推动作用。而虚拟现实技术的发展和应用则为民族传统建筑文化遗产数字化保护带来了新的契机。本文选取保山市施甸县布朗族民族传统建筑作为研究对象, 对虚拟现实技术中民族传统建筑数字化保护进行了探索, 以期对云南少数民族民族传统建筑的数字化保护起到一定的思考和参考作用。

**关键词:** VR 技术; 数字化保护; 布朗族; 传统建筑

## Research on Digital Protection of Brown Traditional Buildings in Yunnan

Longpu Wu Fei Yan

Yunnan University Dianchi College, Yunnan Kunming 650228

**Abstract:** The types of Chinese national traditional architecture are diverse, and the number is huge. In the face of the protection of many types of traditional ethnic buildings, digital protection, an important research strategy of inheritance and protection of cultural heritage, can help us to more effectively inherit and protect traditional Chinese ethnic buildings, and play a positive role in promoting the sustainability of traditional ethnic architectural cultural heritage. The development and application of virtual reality technology has brought new opportunities for the digital protection of national traditional architectural cultural heritage. This paper selects the traditional Bulang ethnic buildings in Shidian County, Baoshan City as the research object to explore the digital protection of traditional ethnic buildings in virtual reality technology, in order to play a certain thinking and reference role in the digital protection of traditional ethnic minority buildings in Yunnan.

**Keywords:** VR technology; digital protection; Browns; traditional architecture

### 一、布朗族传统建筑与 VR 技术概述

1.

2. VR

Virtual Reality,VR

VR

VR,

VR,

VR,

VR

,VR

VR

VR

VR

,VR

VR

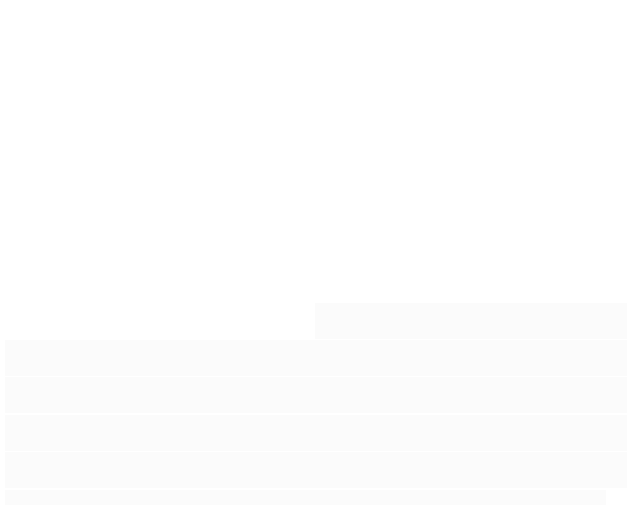
;VR

二、虚拟现实技术 (VR) 在对于云南施甸布朗族民族传统建筑上的运用

1.



2



2

VR

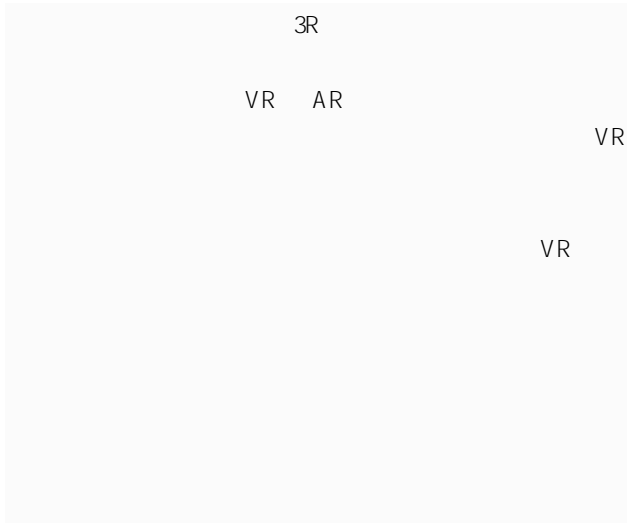
3R

VR

AR

VR

VR



VisualSFM

2D

3D,

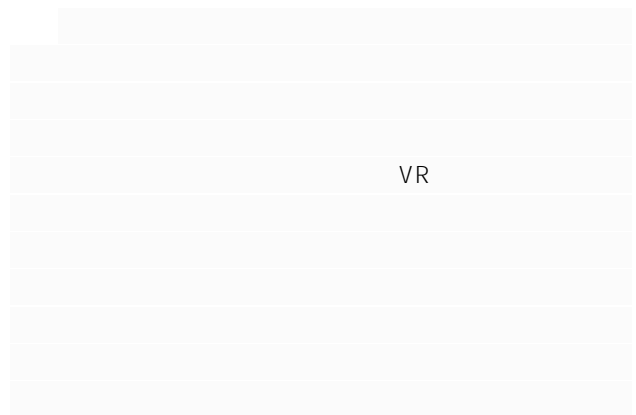


VR

“ ”

4 UE4 VR

VR  
VR



VR

VR

3  
21 VR

### 三、结语与展望

3R VR

“ ”

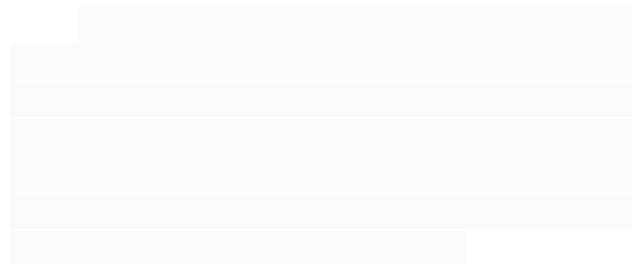
VR

VR

,VR

VR

VR



VR

VR



参考文献:

- [1] . AR  
[D]. 2017:1- 61
- [2] .VR  
[J]. ,2021,43(4):122-

123