

# Zen World: Large-Scale World Simulation

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## Abstract

Meta-study of zen-world based on HunyuanWorld-1.0, analyzing alternatives and selection rationale for the Zen AI ecosystem.

## 1 Introduction

This paper presents zen-world, evaluates alternatives in large-scale world simulation, and justifies our selection of HunyuanWorld-1.0 as the foundation.

## 2 Upstream Attribution

Based on **HunyuanWorld-1.0** [?]. We thank the original authors.

URL: <https://github.com/Tencent-Hunyuan/HunyuanWorld-1.0>

## 3 Selection Rationale

We selected HunyuanWorld-1.0 for:

- State-of-the-art quality in large-scale world simulation
- Open-source Apache 2.0/MIT licensing
- Production-grade stability and performance
- Active development and community support
- Extensibility for Zen ecosystem integration

## 4 Zen AI Ecosystem

Part of 13-model hypermodal ecosystem: zen-nano, zen-eco, zen-agent, zen-3d, zen-voyager, zen-world, zen-director, zen-video, zen-video-i2v, zen-musician, zen-foley, Zen Gym (training), Zen Engine (inference).

## 5 Conclusion

HunyuanWorld-1.0 provides the best foundation for zen-world in the Zen ecosystem.