Continuum Documentation

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Overview

Continuum is Circle's advanced spatial computing system that enables seamless interaction between physical and virtual spaces. It provides a unified framework for handling multi-dimensional data and spatial relationships.

Features

Spatial Computing

- Real-time spatial mapping
- Cross-dimensional communication
- Quantum state synchronization
- Multi-dimensional data visualization
- Spatial memory persistence

Applications

- Virtual meeting spaces
- Augmented reality overlays
- Spatial data analysis
- Multi-dimensional collaboration
- Quantum computing integration

Technical Implementation

- Quantum coordinate system
- Multi-dimensional data structures
- Real-time spatial processing
- Cross-dimensional protocols
- Quantum state management

Integration

With PosSys

- Coordinate system integration
- Spatial data synchronization
- Position tracking

- Multi-dimensional mapping

With VRView

- Virtual space rendering
- Spatial audio processing
- Haptic feedback integration
- Cross-dimensional viewing

With QubPix

- Quantum-enhanced rendering
- Multi-dimensional visualization
- Real-time pixel optimization
- Adaptive resolution scaling

Use Cases

Virtual Meetings

- Multi-dimensional meeting spaces
- Spatial audio positioning
- Real-time participant tracking
- Cross-dimensional collaboration

Augmented Reality

- Spatial overlay management
- Real-time environment mapping
- Multi-dimensional data display
- Interactive spatial elements

Spatial Computing

- Quantum state processing
- Multi-dimensional data analysis
- Spatial relationship mapping
- Cross-dimensional navigation

Technical Details

Coordinate System

```
const continuumCoordinates = {
    physical: { x: 0, y: 0, z: 0 },
    temporal: { t: 0 },
    quantum: { q: 0 },
    virtual: { v: 0 },
    continuum: { c: 0 }
};
```

Spatial Processing

```
class ContinuumProcessor {
    async processSpatialData(data) {
        // Process multi-dimensional data
        return {
            physical: this.processPhysical(data),
            temporal: this.processTemporal(data),
            quantum: this.processQuantum(data),
            virtual: this.processVirtual(data),
            continuum: this.processContinuum(data)
        };
    }
}
```

Getting Started

1. Enable Continuum features in your Circle settings
2. Configure spatial computing parameters
3. Set up multi-dimensional processing
4. Initialize quantum state management
5. Start using Continuum features

Related Documentation

- Main Documentation - Overview and setup
- Position System & VR Guide - Location features
- Development Guide - Development and testing
- TaskTaxi.Co Documentation - Task management
- Lightning Network Integration - Payment processing

Support

For technical support or questions about Continuum, please contact:

- Email: support@circle.com
- Documentation: https://docs.circle.com/continuum
- GitHub Issues: https://github.com/circle/continuum/issues