**Sheldrake Research Model: User Guide**

Version 1.0.0

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**Getting Started**

**Overview**

This implementation quantifies morphic resonance and consciousness field interactions through the core equation:

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f\_Ψ(t+1,M,L,R) = {[f\_Ψ(t,M,L,R)]^2 + λ\_e \* Q(ω,ϵ,Ur,P,w,V,I)} \* DAAN(t) \* CollectiveΨ(t) \* T\_perceived \* R(t) \* M(t) \* λ\_m \* MR(t)

**System Requirements**

* Python 3.8 or higher
* 8GB RAM minimum
* Modern CPU with floating-point capabilities
* Storage for data collection (minimum 10GB recommended)

**Installation**

1. Set up Python environment:

bash

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python -m venv sheldrake\_env

source sheldrake\_env/bin/activate *# On Windows: sheldrake\_env\Scripts\activate*

1. Install required packages:

bash

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pip install numpy scipy matplotlib pandas

1. Install the model package:

bash

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pip install sheldrake-research-model

**Basic Usage**

**Initializing the Model**

python

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from sheldrake\_model import SheldrakeResearchModel

*# Initialize with default parameters*

model = SheldrakeResearchModel()

*# Initialize with custom scaling factors*

model = SheldrakeResearchModel(lambda\_e=0.15, lambda\_m=0.45)

**Running a Basic Simulation**

python

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*# Set up parameters*

params = {

'omega': 0.3,

'epsilon': 0.2,

'ur': 0.05,

'p': 2.0,

'w': 4.0,

'v': 1.0,

'i': 0.2

}

*# Run simulation*

results = model.run\_simulation(time\_steps=1000, params=params)

**Parameter Configuration**

**Key Parameters**

1. **Quantum Effects (Q)**
   * ω (omega): Frequency parameter
   * ϵ (epsilon): Field strength
   * Ur: Exotic particle influence
   * P: Probability field
   * w: Wave function
   * V: Volume factor
   * I: Integration constant
2. **Scaling Factors**
   * λ\_e: Exotic particle scaling
   * λ\_m: Morphic resonance scaling

**Parameter Ranges**

| **Parameter** | **Min Value** | **Max Value** | **Typical Value** |
| --- | --- | --- | --- |
| ω | 0.1 | 5.0 | 0.3 |
| ϵ | 0.01 | 1.0 | 0.2 |
| Ur | 0.01 | 0.1 | 0.05 |
| λ\_e | 0.05 | 0.5 | 0.1 |
| λ\_m | 0.1 | 1.0 | 0.5 |

**Running Experiments**

**Experimental Protocol**

1. Define hypothesis and parameters
2. Run baseline measurement
3. Conduct intervention
4. Collect post-intervention data
5. Analyze results

**Example Experimental Setup**

python

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*# Setup experiment*

experiment = model.create\_experiment(

name="Morphic Field Strength Study",

duration\_hours=24,

measurement\_interval\_minutes=15

)

*# Run experiment*

results = experiment.run()

**Data Collection**

**Data Format**

Data is stored in standardized formats:

* Time series: CSV files
* Parameter configurations: JSON
* Analysis results: HDF5

**Example Data Collection**

python

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*# Collect and save data*

model.collect\_data(

duration=experiment.duration,

save\_path="./experiment\_data/",

metadata={"researcher": "Dr. Smith", "date": "2024-10-27"}

)

**Analysis Tools**

**Basic Analysis**

python

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*# Load and analyze results*

analysis = model.analyze\_results(results)

print(analysis.summary())

*# Generate visualizations*

model.plot\_results(results)

**Advanced Analysis Features**

* Field strength mapping
* Coherence analysis
* Time series decomposition
* Statistical significance testing

**Troubleshooting**

**Common Issues**

1. **Parameter Out of Range**
   * Solution: Check parameter ranges table
   * Verify input values
2. **Memory Errors**
   * Solution: Reduce time steps
   * Use batch processing
3. **Convergence Issues**
   * Solution: Adjust scaling factors
   * Check initial conditions

**Getting Help**

* Technical Support: [Contact Information]
* Bug Reports: [GitHub Issues]
* Documentation: [Online Documentation Link]

**Research Guidelines**

**Data Sharing Protocol**

1. Use standardized format
2. Include metadata
3. Document parameter settings
4. Record environmental conditions

**Publication Requirements**

1. Cite original model implementation
2. Document parameter modifications
3. Share analysis scripts
4. Provide raw data access

**Ethical Considerations**

1. Data privacy
2. Result validation
3. Responsible reporting
4. Collaborative sharing