Citation Guidelines

How to Cite MO4 Quantum Operating System



PRIMARY CITATION

SOFTWARE CITATION (Required)

bibtex

```
@software{bettag2024mo4,
 title={MO4 Quantum Operating System: Tesseractic Quantum Computing Framework},
  author={Bettag, Michael Andrew},
 organization={Intelicore LLC},
 year={2024},
 version={4.2},
  url={https://github.com/[username]/MO4-Quantum-OS},
  note={Academic Research License}
```

APA Style

```
Bettag, M. A. (2024). MO4 Quantum Operating System: Tesseractic quantum computing framework
(Version 4.2) [Computer software]. Intelicore LLC. https://github.com/[username]/MO4-
Quantum-OS
```

IEEE Style

```
M. A. Bettag, "MO4 Quantum Operating System: Tesseractic Quantum Computing Framework,"
Intelicore LLC, 2024. [Online]. Available: https://github.com/[username]/MO4-Quantum-OS
```



THEORETICAL FRAMEWORK CITATIONS

Stability Marriage Optimization (SMO)

bibtex

```
@article{bettag2024smo,
  title={Stability Marriage Optimization: Quantum Algorithm for Exponential Convergence},
  author={Bettag, Michael Andrew},
  journal={Intelicore Research Papers},
 year={2024},
  note={Part of MO4 Quantum OS framework}
```

Repentant Evolution Equation (REE)

```
bibtex
```

```
@article{bettag2024ree,
  title={Repentant Evolution Equation: Self-Correcting Quantum Dynamics},
  author={Bettag, Michael Andrew},
  journal={Intelicore Research Papers},
  year={2024},
  note={Part of MO4 Quantum OS framework}
```

Reconciliation Entropy Flow (REF)

bibtex

```
@article{bettag2024ref,
  title={Reconciliation Entropy Flow: Quantum Coherence Preservation},
  author={Bettag, Michael Andrew},
  journal={Intelicore Research Papers},
  year={2024},
  note={Part of MO4 Quantum OS framework}
}
```



EXPERIMENTAL DATA CITATIONS

IBM Quantum Validation

bibtex

```
@dataset{bettag2024mo4_data,
    title={MO4 Quantum OS: IBM Quantum Hardware Validation Dataset},
    author={Bettag, Michael Andrew},
    year={2024},
    publisher={Intelicore LLC},
    url={https://github.com/[username]/MO4-Quantum-OS/data/experimental/},
    note={20,480+ shots across multiple IBM Quantum backends}
}
```

Specific Experimental Run

```
bibtex
```

```
@dataset{bettag2024mo4_ibm_kyiv,
    title={MO4 Quantum OS: IBM Kyiv Backend Results},
    author={Bettag, Michael Andrew},
    year={2024},
    publisher={Intelicore LLC},
    howpublished={IBM Quantum Backend: ibm\_kyiv, 1024 shots},
    url={https://github.com/[username]/MO4-Quantum-OS/data/experimental/MAGNUM_OPIS2339_4-10-25-r}}
```

USAGE-SPECIFIC CITATIONS

If You Use MO4 Algorithms

Required Text in Methods Section:

"Quantum optimization was performed using the Stability Marriage Optimization (SMO) algorithm from the MO4 Quantum Operating System (Bettag, 2024), implementing tesseractic quantum processing for enhanced convergence rates."

If You Use Experimental Data

Required Text in Data Section:

"Experimental validation was conducted using data from the MO4 Quantum OS project (Bettag, 2024), which includes over 20,480 quantum measurements across multiple IBM Quantum hardware backends."

If You Extend the Framework

Required Text in Introduction:

"This work extends the MO4 Quantum Operating System framework (Bettag, 2024), specifically building upon the [SMO/REE/REF] theoretical foundation for [your specific application]."

ACADEMIC CONTEXT CITATIONS

For Quantum Computing Reviews

The emergence of quantum operating systems, exemplified by frameworks like MO4 (Bettag, 2024), represents a paradigm shift toward standardized quantum software infrastructure.

For Algorithm Comparisons

We compare our approach against established quantum algorithms including VQE, QAOA, and the tesseractic optimization methods from MO4 (Bettag, 2024).

For Hardware Studies

Hardware validation follows the methodology established in the MO4 Quantum OS project (Bettag, 2024), utilizing multi-shot statistical analysis across diverse quantum backends.

m INSTITUTIONAL CITATIONS

When Citing Intelicore LLC Work

bibtex

```
@misc{intelicore2024quantum,
   title={Quantum Computing Research Initiative},
   author={{Intelicore LLC}},
   year={2024},
   howpublished={MO4 Quantum Operating System Project},
   url={https://github.com/[username]/MO4-Quantum-OS}}
```

For Grant Applications Referencing MO4

"This proposal builds upon the theoretical foundations established in the MO4 Quantum Operating System (Bettag, 2024), which demonstrated measurable quantum advantage through tesseractic processing methods validated on IBM Quantum hardware."

PRESENTATION CITATIONS

Conference Slides

Required Slide:

Acknowledgments

- MO4 Quantum Operating System
- Michael Andrew Bettag, Intelicore LLC (2024)
- https://github.com/[username]/MO4-Quantum-OS
- Academic Research License

Poster Presentations

Required Footer Text:

This work utilizes the MO4 Quantum Operating System framework (Bettag, 2024) https://github.com/[username]/MO4-Quantum-OS



LEGAL CITATION REQUIREMENTS

MANDATORY FOR ALL USES

- Include author name: Michael Andrew Bettag
- Include organization: Intelicore LLC
- Include year: 2024
- Include URL: Repository link
- Include license note: Academic Research License

PROHIBITED

- Claiming authorship of MO4 framework
- Omitting original creator attribution
- Using without proper citation
- Commercial use without licensing



DERIVATIVE WORK CITATIONS

If You Modify MO4 Code

```
@software{yourname2024mo4_modified,
   title={Enhanced MO4 Implementation for [Your Application]},
   author={Your Name and Bettag, Michael Andrew},
   year={2024},
   note={Based on MO4 Quantum Operating System by Bettag (2024)},
   url={your-repository-url}
}
```

If You Create Extensions

Required Attribution in Code Comments:

```
python

"""

Based on MO4 Quantum Operating System

Original Author: Michael Andrew Bettag, Intelicore LLC (2024)

Modifications: [Your modifications description]

License: Academic Research License (original), [Your license] (modifications)

"""
```

CITATION QUESTIONS

NEED CLARIFICATION?

• **Email**: <u>mbettag@intelicore.com</u>

Subject: "MO4 Citation Question"

Include: Specific use case and citation context

JOINT PUBLICATION COORDINATION

Before submission: Contact for collaboration

During review: Share drafts for feedback

• **After acceptance**: Provide publication details

CITATION CHECKLIST

Before publishing, ensure you have:

Cited primary MO4 software	
Cited specific theoretical components used	
□ Cited experimental data if applicable	
☐ Included proper license attribution	
☐ Followed your journal's citation style	
Contacted authors for joint publications	
☐ Verified all URLs and references	

"Proper citation ensures the continued advancement of open quantum research"

Thank you for supporting academic integrity and collaborative science!