# Classification of Entanglement using Knots

### PH3203 Term Project

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- 1 Introduction
- 2 Classification of Links
- 3 Entanglement Classification
- 4 Physical Significance
- 5 Discussion and Conclusion

## Appendix A: Quantum Information Basics

- 5.1 Density Matrix
- 5.2 Peres-Horodecki Criterion

## Appendix B: Knot Theory Basics