

# Entanglement Classification using Knots

PH3203 Term Project

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# Basic Theoretical Background

# Introduction to Knots

# Introduction to Quantum Information

# Classifying Entanglement using Knots

# Polynomial Approach to Entanglement

# Obtaining a Link from given State

# Obtaining State from a given Link



# Some Examples...

# Three Qubit System

# Four Qubit System

# Application to Qubit Networks

# Conclusion