

## Chapter 2: Single-Qubit Gates and Circuit Notation

This section is already in the book plan, but it has not been written fully yet. The book owner can press Generate section to write this part with the language model connected to TheoryTrace.

Section plan:

Teaches how to read circuit diagrams from left to right, interpret wires and gates, and understand the action of X, Y, Z, H, S, T, and rotation gates using matrices, geometry, and state transformations.

### References

References will be added when this section is generated.

# Document information

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