

## **Chapter 11: The Finite-Dimensional Proof**

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:

Gives a complete proof of Naimark dilation for finite-outcome POVMs using square roots of POVM elements, an isometry into a larger Hilbert space, and a projective measurement on the dilation space.

### **References**

References will be added when this section is generated.

# Document information

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<b>Project</b>	Naimark Dilation from First Principles
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