A library about bounded operators in Isabelle/HOL

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Abstract

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1 Introduction

[Unr19]

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2 Complex vector spaces

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3 Complex inner product spaces

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4 Complex ℓ^2 -spaces

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5 Bounded operators

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6 Code generation

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[Unr19] Dominique Unruh. Quantum relational Hoare logic. *Proceedings of the ACM on Programming Languages*, 3(POPL):1–31, 2019.