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Linear dependent type theory for quantum programming languages: extended abstract.
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MSC:
68N19 Other programming paradigms (object-oriented, sequential, concurrent, automatic, etc.)
03B38 Type theory
18M05 Monoidal categories, symmetric monoidal categories
68N15 Theory of programming languages
68Q12 Quantum algorithms and complexity in the theory of computing
81P68 Quantum computation

Keywords:
quantum programming languages; categorical model; fibration; linear dependent types

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