

2_Interpret_QASM_semantics

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1 Task 8.2 Open QASM3

1.1 Objective 1 : Interoperate different versions of QASM3 with qiskit

1.1.1 Exporting to QASM 3

- use `dump()` to export to a file
- use `dumps()` to export to a Open QASM3 string

Exporter

- Exporter main class
- includes -> stdgates.inc
- basis_gate -> gates defined in the backend
- disable_constants
- alias_classic_registers
- allow_aliasing
- indent
- experimental
- annotation_handlers

dump

- export circuit to stream

dumps

- export circuit to string

QASM3ExporterError

- raise error during running QASM3 Exporter

ExeperimentalFeatures

1.1.2 Importing from QASM 3

- use `load` to import from file
- use `loads` to import from stream

QASM3ImoporterError

ExperimentalImportInterface

- in Rust
- load_experimental
- loads_experimental