Cheatography

QISkit Cheat Sheet

by AkashGutha via cheatography.com/58131/cs/15378/

QuantumRegister	
qasm	Return OPENQASM string for this register
check_range(j)	Check that j is a valid index into self

QuantumCircuit	
add(*regs)	add registers
barrier(*tuples)	apply barrier to tuples (reg, idx)
ccx(ctl1, ctl2, tgt)	apply Toffoli
ch(ctl, tgt)	apply CH from ctl to tgt
combine(rhs)	if self has rhs's regs return self + rhs
crz(ctl, tgt)	apply crz from ctl to tgt with angle theta
cswap(ctl, tgt1, tgt2)	apply Fredkin
cu1(theta, ctl, tgt)	apply cu1 from ctl to tgt with angle theta
cu3(theta, phi, lam, ctl, tgt)	apply cu3 from ctl to tgt with angle theta, phi, lam
cx(ctl, tgt)	apply CNOT from **ctl** to **tgt**
cx_base(ctl, tgt)	apply CX from **ctl** to **tgt**
cy(ctl, tgt)	apply CY from **ctl** to **tgt**
cz(ctl, tgt)	apply CZ from **ctl** to **tgt**
extend(rhs)	append rhs to self if self contains rhs's registers modify and return self
first_atomic_gate_host()	return the host list of the leaf gate on the left edge
get_cregs()	get the cregs from the registers
get_qregs()	get the qregs from the registers
h(q)	apply H to q
has_register(register)	return True or False
iden(q)	apply Identity to q



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