

International Workshop:

What is Quantum Information?

May 18-22, 2015

Institute for Research
in Astronomy and Astrophysics
Buenos Aires,
Argentina

JEFFREY BUB

ADAN CABELLO

DENNIS DIEKS

ARMOND DUWELL

CHRISTOPHER FUCHS

ADRIAN KENT

ANGELO PLASTINO

ROBERT SPEKKENS

CHRISTOPHER TIMPSON



IAFE
CONICET
UBA



FQXi
FOUNDATIONAL QUESTIONS INSTITUTE

$$H(P) = -\sum p_i \ln(p_i)$$

$$S(\rho) = -\text{Tr}(\rho \ln \rho)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|0\rangle \otimes |1\rangle + |1\rangle \otimes |0\rangle)$$

$$|1\rangle \otimes |0\rangle \otimes |0\rangle \otimes |0\rangle \otimes |1\rangle \otimes |0\rangle \otimes |1\rangle \otimes |1\rangle \otimes |0\rangle$$

$$01101001001001100$$