

To: Jeffrey Epstein[jeevacation@gmail.com]
From: Seth Lloyd
Sent: Sat 9/7/2013 2:19:31 PM
Subject: Hey!

Dear Jeffrey,

Just checking in to see how you are doing. Things here are good: John Preskill and I just posted a paper on black hole evaporation to try to resolve the so-called 'firewall' paradox, and it is catching people's notice (I attach it). Plus I've been doing a bunch of work on 'big quantum data': it turns out that a quantum computer can find patterns in a data set with N pieces of data in time $\log N$. So if you wanted to find patterns in the data set consisting of all the genomes of all the people on earth (ca. 10^{20} bits), you could do it on a quantum computer with only a few hundred qubits.

In addition, I have a remarkable and pleasant coincidence to report. David Grosz's nephew Isaac is in my freshman seminar at MIT. He is super-smart and nerdy and fun to talk with -- the apple does not fall far from the orchard.

Hoping our paths cross soon. Let me know if you're going to be up in Cambridge any time.

Yours,
Seth