

# SPAMS

Simple Person's Applied Math Seminar

**Flavor:** *O(d) Hitting Time on the d-Hypercube via Quantum Walks*, by **Mason Biamonte**

**Ingredients** : I will prove that the corner-to-corner hitting time for the discrete time quantum walk on the d-hypercube is  $O(d)$ . This stands in stark contrast with the well-known  $O(2^d)$  result for the classical random walk. No knowledge of quantum mechanics is assumed in this talk.

**Best Before:** Mar 21<sup>st</sup> 2019, 6:00–7:00pm  
at Room 2-132

Please visit <https://math.mit.edu/spams> for detailed nutrition information for SPAMS.

