Welcome to the World of Lattices

Hey there, David! You have opened up the portal to begin your journey through lattice based cryptography. In this adventure you will be amazed by the power of lattices and you will even be able to create your own by the if you want, this lattice-world is your oyster. The itinerary goes as follows:

1. Start with our PDF *lattice_crypto.pdf* which gives you all the information ranging from what a lattice is to how to implement the GGH. You can supplement it with our presentation slides under *Lattice presentation.pdf* for a more picture based walk through of what the paper goes into detail on.

2. Next, open up the Mathematica program we attached, *Lattice Crypto.nb*. Here you will be able to see the full implementation of the GGH Cryptosystem and how Eve can decrypt messages as well.

Good luck on your journey, we are excited to have you along for the ride.

Sincerely,

Mr. Davis & Mr. Teply

Cabbage Patch Cryptosystems LLC