THE STORY OF MY PH.D.

by

Aaron Lauve

April 26, 2005
**Algebra A:**
given by generators and relations

Things I can explain via quasideterminants.

**Algebra B:**
given by generators and relations

The correct algebra in the quantum setting.
Algebra A:
given by generators and relations
Things I can explain via quasideterminants.

Algebra B:
given by generators and relations
The correct algebra in the quantum setting.

Algebra A:

Algebra B:
① Reduce the number of relations
Algebra A:

1. Reduce the number of relations.

2. Add new generators and relations.

Algebra B:
Algebra A:

2. Add new generators and relations.

Algebra B:

3. Reduce the number of relations.
Algebra A:

1. Reduce the number of relations

Algebra B:

3. Reduce the number of relations

4. Increase the number of relations
Algebra A:

4

Increase the number of relations

Algebra B:

Can we push any further?
Algebra A:

Can we push any further?

Algebra B:

Can we push any further?
Algebra A: Persistent Canal Algebra B: