resophonic::kamasu Computing on the GPU with boost::proto

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Outline

Motivation

The Basic Problem That We Studied
Previous Work

Our Results/Contribution

Main Results

Basic Ideas for Proofs/Implementation

```
int main (void)
std::vector<bool> is prime (100, true);
for (int i = 2; i < 100; i++)
        for (int j = i; j < 100;
return 0;
```

```
int main (void)
std::vector<bool> is prime (100, true);
for (int i = 2; i < 100; i++)
    if (is prime[i])
        for (int j = i; j < 100;
return 0;
```

blam blam blam?

```
int main (void)
std::vector<bool> is prime (100, true);
for (int i = 2; i < 100; i++)
    if (is prime[i])
        std::cout « i « " ";
        for (int j = i; j < 100;
             is_prime [j] = false, j+=i);
return 0;
```

WHOOOOah this is pretty fizzuckin neat, doncha think?

```
int main (void)
std::vector<bool> is prime (100, true);
for (int i = 2; i < 100; i++)
    if (is prime[i])
        std::cout « i « " ";
        for (int j = i; j < 100;
             is_prime [j] = false, j+=i);
return 0;
```

Note the use of std::.

- ▶ foo
- bar
- ▶ baz
- quux

- ► foo
- ▶ bar
- baz
- quux

- ▶ foo
- bar
- ► baz
- quux

- ▶ foo
- bar
- ▶ baz
- ► quux

hee movie here

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Make Titles Informative. Use Uppercase Letters.

- ▶ Use itemize a lot.
- Use very short sentences or short phrases.

You can create overlays...

- using the pause command:
 - First item.
 - Second item
- using overlay specifications:

using the general uncover command:

- using the pause command:
 - First item.
 - Second item.
- using overlay specifications:
 - First item
 - Second item.
- using the general uncover command:
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Summary

- ► The first main message of your talk in one or two lines.
- The second main message of your talk in one or two lines.
- Perhaps a third message, but not more than that.

- Outlook
 - Something you haven't solved.
 - Something else you haven't solved.

For Further Reading I

- A. Author. Handbook of Everything. Some Press, 1990.
- S. Someone.
 On this and that.

 Journal of This and That, 2(1):50–100, 2000.