Titanium

• So far: Titanium introduction
• This time: a few more details
Copying Sections of Arrays

```
dest.copy(src, domain)
```

copies `domain` points in `src` to `domain` points in `dest`

See `copy`
Reduce

ti.lang.Reduce. $op(val)$

where $op$ can be add, or, ...

See Reduction
Synchronization and Single Values

For a barrier or reduce, compiler must prove that all processes arrive

- same number of times
- same order

Proof relies on the type system:

- Test for a condition to a synchronization needs a single type
- broadcast and Reduce. \( op \) produce a single result
- Purely functional library methods map single arguments to single results

See Single