

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](#)