



## Installation

1. Download with *git clone --recurse-submodules*  
*<https://bitbucket.org/zulianp/utopia.git>*

## Basics

### Backends

### Traits

## Communicator

- Get the default serial communicator

```
auto &&comm = Communicator::self();
```

## Layouts

### Tensor

### Vector

### Matrix

### Linear solver

### Nonlinear solver

## Input-ouput

### Conversions and interoperability

### Acknowledgements

[ZKN<sup>+</sup>16]

### References

[ZKN<sup>+</sup>16] Patrick Zulian, Alena Kopaničáková, Maria Chiara Giuseppina Nestola, Andreas Fink, Nur Fadel, Alessandro Rigazzi, Victor Magri, Teseo Schneider, Eric Botter, Jan Mankau, and Rolf Krause. Utopia: A C++ embedded domain specific language for scientific computing. Git repository. <https://bitbucket.org/zulianp/utopia>, 2016.