UTOPIA

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+16]

References

[ZKN+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.