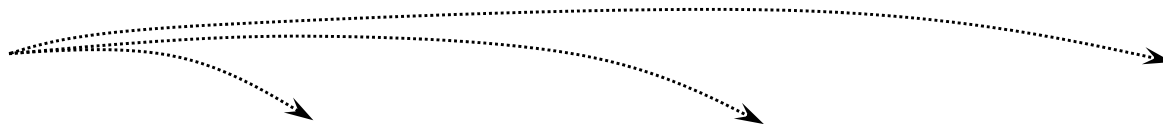


End user



Application layer
"User"

incompressible
multiphase, XDG
3 files / 1427 lines

incompressible
IBM
4 files / 759 lines

compressible
IBM
178 files / 13860 lines

etc.

BoSSS
herd of libraries

performant,
parallel
implementation

workflow
management

utilities

operator evaluation
operator linearization
cut-cell-integration
time discretization

BoSSSpad
worksheets

file I/O
data import/export
var. post-processing
(lift, drag)
testing & verification

"User benefit"

> 1000 files
> 300'000 lines

Third party

native performance libraries
MPI, BLAS, LAPACK, CUDA, var. Solvers (Pardiso, Hypre, ...)