

HELIX^{OS}をインストールした

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中川慎二

HELYX^{OS}とは？

HELYX^{OS} is an Open Source Graphical User Interface designed to work with the latest OPENFOAM[®] released by SGI Corp. The GUI is developed by Engys using Java+VTK and delivered to the public under the GNU General Public License.

対応ソルバー

The following solvers are supported at present:

- **Incompressible flows:** simpleFoam, MRFSimpleFoam, porousSimpleFoam, pimpleFoam, pisoFoam
- **Compressible flows:** rhoSimpleFoam, rhoPimpleFoam, rhoPorousMRFSimpleFoam, rhoPorousMRFPimpleFoam
- **Heat transfer and buoyancy-driven flows:** buoyantBoussinesqSimpleFoam, buoyantBoussinesqPimpleFoam , buoyantSimpleFoam, buoyantPimpleFoam

The main features of HELYX^{OS}

The main features of HELYX^{OS} are:

- ✓ Create and run new CFD cases from scratch in serial or parallel.
- ✓ Native support for OPENFOAM[®] dictionary files
- ✓ Load existing cases by reading settings directly from the available project text files).
- ✓ Control snappyHexMesh, including geometry display and execution within the GUI.
- ✓ Comprehensive case definition module, including controls for physical models, turbulence, boundary conditions, field initialisation and solver execution within the GUI.

インストール方法

- The pre-compiled version of Helyx^{OS}
 - Source forgeからダウンロード
 - 解凍したものを任意の場所へ
 - \$HOME/Engys/HelyxOS/v100
 - 端末で上記ディレクトリに移動してhelyxos.shを実行
 - cd \$HOME/Engys/HelyxOS/v100
 - ./helyxos.sh
- Compiling Helyx^{OS} on your own

操作方法

- 起動

- 端末で, インストールした場所へ移動

- `cd $HOME/Engys/HelyxOS/v100`

- `helyxos.sh`を実行

- `./helyxos.sh`

- あとはGUIで

<http://engys.com/products/helyx-os>

<http://sourceforge.net/p/helyx-os/wiki/Home/>