IOHDF5Util

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Abstract

Thorn **IOHDF5Util** provides functionality to implement HDF5 I/O in Cactus.

1   Purpose

Thorn **IOHDF5Util** provides common routines which can be used to implement Cactus I/O methods for input/output of Cactus variables in the HDF5 standard (Hierarchical Data Format Version 5).

Currently, **IOHDF5Util** is inherited by the **IOHDF5** and **IOStreamHDF5** I/O thorns which share its routines to implement their own I/O methods doing parallel HDF5 file I/O and online HDF5 data streaming.

2   Building A Cactus Configuration with IOHDF5Util

The Cactus distribution does not contain the HDF5 header files and library which is used by thorn **IOHDF5Util**. So you need to configure it as an external software package via:

```
make <configuration>-config HDF5=yes
                            [HDF5_DIR=<path to HDF5 package>]
```

The configuration script will look in some default places for an installed HDF5 package. If nothing is found this way you can explicitly specify it with the HDF5_DIR configure variable.