ERCOFTAC conical diffuser case study

- Described in the OpenFOAM Wiki:

  `http://openfoamwiki.net/index.php/Sig_Turbomachinery_/_ERCOFTAC_conical_diffuser`
  (`openfoamwiki.net`, Find **5.1 Special Interest Groups**,
  `Turbomachinery`, `Validation test cases`, `ERCOFTAC conical diffuser`)

- Features:

  – Description of the geometry and measurements, and references to relevant publications.

  – Parameterized mesh generation with `m4` and `blockMesh`.

  – A new axi-symmetric profile boundary condition.

  – A new utility for setting solid-body swirl at patches and internally.

  – Validation against experimental data using `sample`, `gnuplot` and `mozilla`.

- Source OpenFOAM-1.5.x

- Run `Case0` and `Case1.3`. Check all of the set-up procedure in detail!