

Fuel Cells module for LIBPF

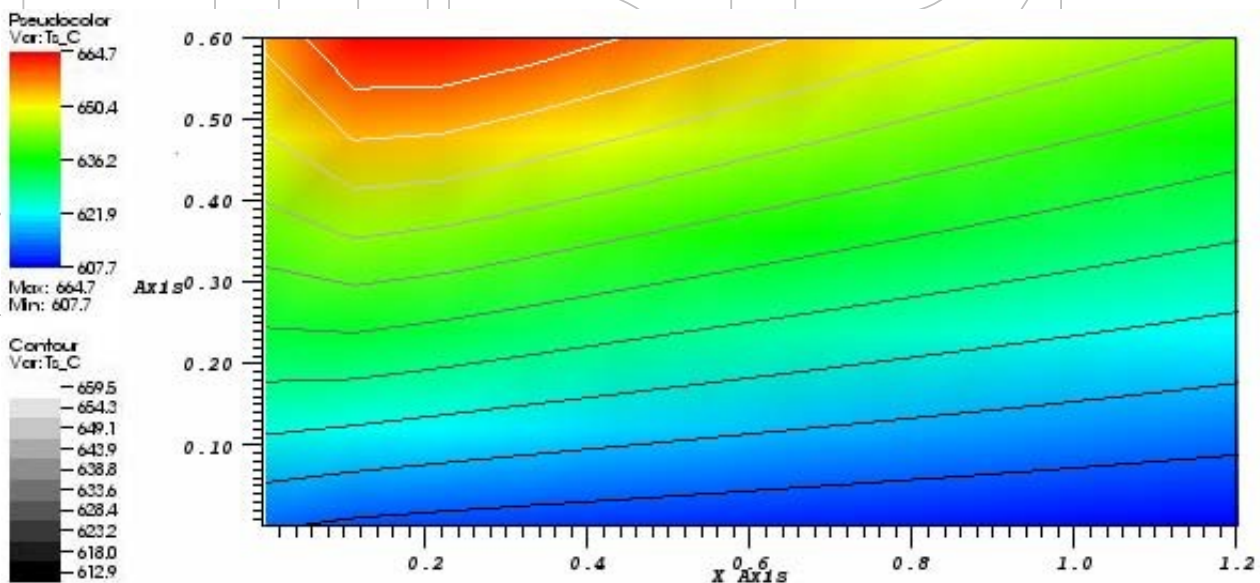
the C++ Library for Process Flowsheeting

LIBPF is a tool to rapidly prototype and deploy small-footprint custom applications implementing computations for training, process engineer support, on-line process diagnostic, data reconciliation.

The LIBPF **FC (Fuel Cell)** product adds to LIBPF CORE the modelling capabilities required for static and dynamic simulation of fuel cells as well as fuel cell power generation systems.

Modelling Features

- Detailed 2D simulation of fuel cell: spiral flow, co-, cross-, counter-flow
- Simplified simulation of fuel cell, with voltage correction maps to reproduce results of detailed model
- Reactive heat exchangers with equilibrium or partial equilibrium reactions
- Reactive fuel cell with equilibrium reactions in the anode or cathode side
- Supports MCFC, SOFC, proton-SOFC, PEM fuel cells



For more informations, please visit <http://www.libpf.com> or write to LIBPF-sales@3ip.it