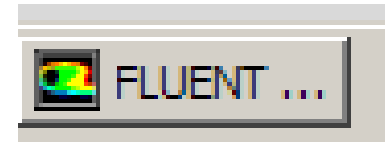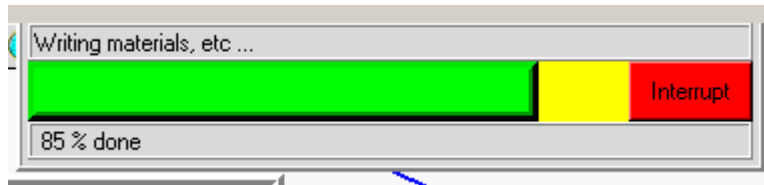# Using ice-solv Feature without ice-pak

Fluent Solver – ice-solve
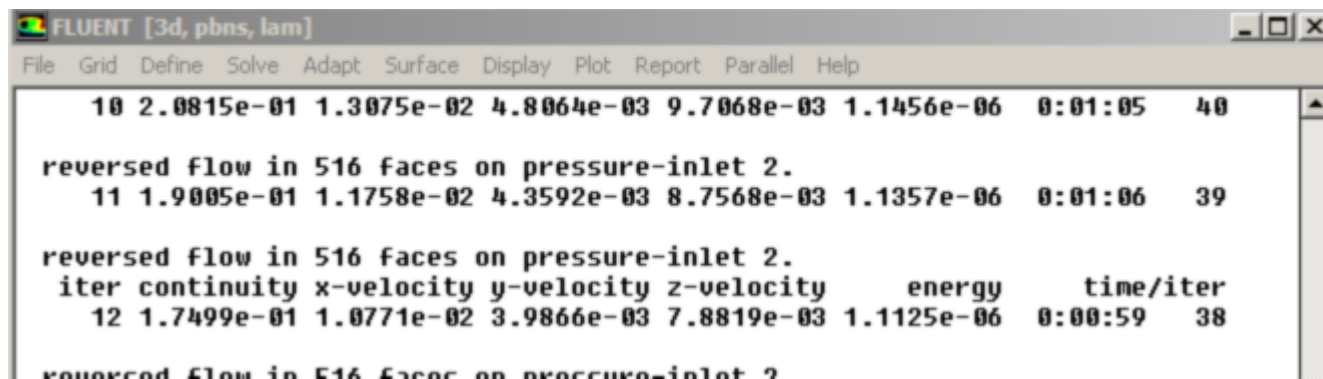
⇒ It is possible to use the Fluent Solver independently from Icepak.

⇒ Advantages for eCADFEM:

It is possible to start several jobs in parallel.

It is possible to run jobs over night – when the job is finished, it will be closed automatically.

CADFEM

Single Run

⇒ Start the job in Icepak as usual.

⇒ Wait until Icepak writes files for Fluent and then Fluent will be visible in the task bar.

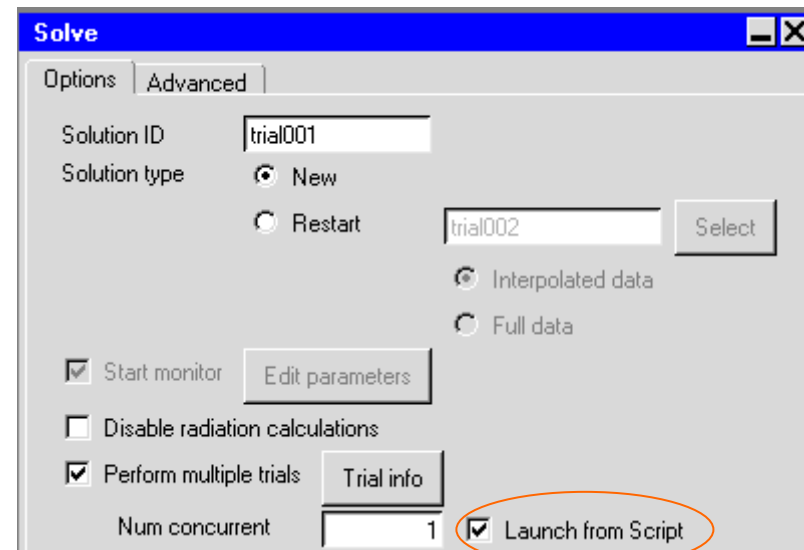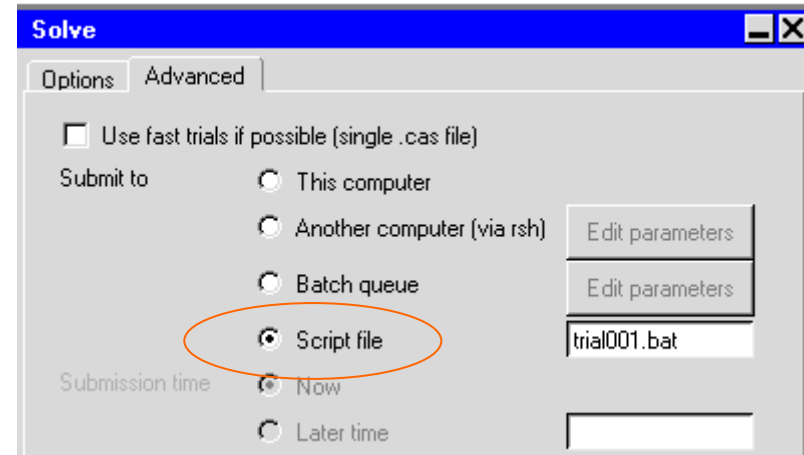⇒ Close Icepak. One can still see residuals in the Fluent Window.
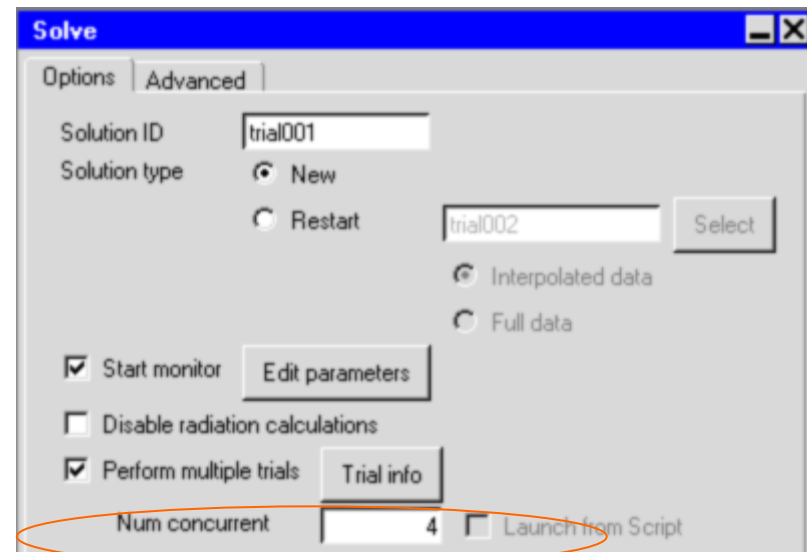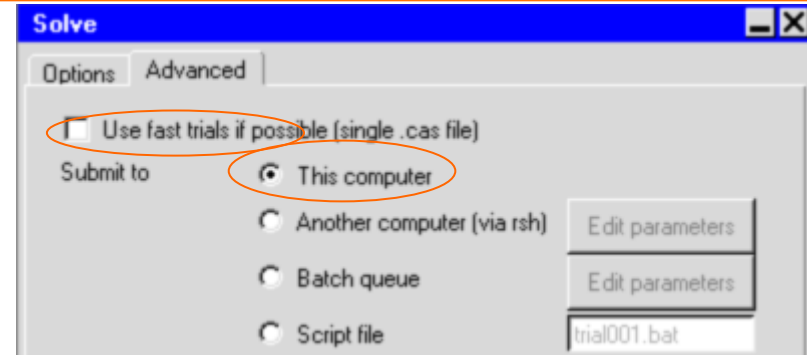
CADFEM

Multiple Trials - Consecutive

⇒ Define Trials as usual.

⇒ Choose both

Submit to script file

Launch from the script

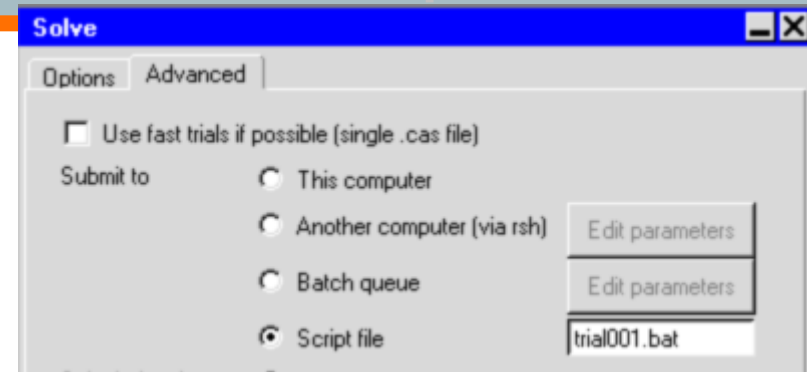⇒ Make run and wait until Icepak writes all files and starts Fluent

⇒ Close Icepak.

CADFEM

Multiple Trials – Parallel

⇒ Here it is assumed that runs do not depend on each other.

⇒ Define trials as usual.

⇒ Use send to this computer and make sure that Use fast trials is not checked.

⇒ Define the number of runs

⇒ Run, wait until Icepak writes Fluent files and starts all Fluents.

⇒ Close Icepak.

CADFEM

Using an option Submit to Script File

⇒ Is working both for a single run and multiple trials.

⇒ Choose Submit to script file in Icepak.

⇒ Make run. Now Icepak only writes files but does not start Fluent.

⇒ Do this for as many projects as you need.

⇒ Close Icepak.

⇒ Double click on the batch file to start Fluent.

⇒ You can start several jobs in parallel.

⇒ Alternatively for a consecutive execution of several jobs, merge all batch files together and run the resulting batch file.

CADFEM

Displaying Monitors or Stopping Fluent

⇒ Start Icepak

⇒ Open the project

⇒ Make Solve | Solution monitor

⇒ If necessary close Fluent by choosing Terminate

⇒ Close Icepak

Solve	Post	Report
Settings ▶
Run solution
Run optimization
Solution monitor
Diagnostics ▶
Define trials
Define report

CADFEM