

Aspen Technology's Current and Future Support for CAPE-OPEN Standards

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CAPE-OPEN Unit Operation Socket



- Both Aspen Plus and Aspen HYSYS allow CAPE-OPEN Unit Operations to be inserted into a steadystate simulation
- Both products support versions 0.93 and 1.0 of the standard
- Aspen Plus is delivered with MixNSplit, a full source code example of a CAPE-OPEN unit operation that implements the 1.0 version of the standard.
- AspenTech unit operation models cannot be inserted into other simulators

CAPE-OPEN Thermodynamics Socket



- Both Aspen Plus and Aspen HYSYS allow CAPE-OPEN Property Packages to be used to provide the properties calculations in a steady-state simulation
- Both products support version 1.0 of the standard
- Support for version 1.1 of the standard will be included in Aspen HYSYS in calendar year 2007 and in Aspen Plus at a future time

CAPE-OPEN Thermodynamics Plug



- Aspen Plus (through Aspen Properties) and Aspen HYSYS (through COMThermo) allow CAPE-OPEN Property Packages to be exported for use in other applications
- These products support version 1.0 of the standard
- The tremendous power and versatility of AspenTech's thermodynamics systems are made available to third-party applications via CAPE-OPEN
- Support for version 1.1 of the standard will be included in Aspen HYSYS in calendar year 2007 and in Aspen Plus/Aspen Properties at a future time

CAPE-OPEN for Refinery Reactor Models



- AspenTech is a member of the Refinery Reactors Special Interest Group
- AspenTech is developing the support for placing third-party CAPE-OPEN Refinery Reactor models into a RefSYS flowsheet
- A prototype is targeted for presentation at the annual CO-LaN meeting in March,2007

Other CAPE-OPEN Developments



- AspenTech developed a prototype of an equationoriented CAPE-OPEN unit operation socket in Aspen Plus. The MixNSplit sample was extended to demonstrate how to support the equation-oriented CAPE-OPEN unit operation interfaces.
- Aspen Plus includes limited support for accessing streams that have a conventional solid substream.
 Complete support for solid phase properties may be added in a future release.

CO-LaN Consultancy Agreement



- AspenTech has an agreement to supply consultancy services to CO-LaN over a three-year period
- The most recent project completed under this agreement was the upgrade of the CAPE-OPEN Unit Operation Wizard for Visual Basic

Support and Training



- AspenTech customers who encounter problems with CAPE-OPEN in our products are assisted by AspenTech Customer Support
- Interoperability problems can also be escalated to AspenTech through CO-LaN
- AspenTech does not provide CAPE-OPEN training
- Contact CO-LaN to find additional support and resources

Summary



 Aspen Technology recognizes the importance of the CAPE-OPEN standards and the value of interoperability between applications. We expect the CAPE-OPEN community to grow and strengthen.
For our part, AspenTech will continue to support and maintain the current CAPE-OPEN interfaces and add new support for the interfaces now being developed.

Questions

