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COCO (CAPE-OPEN to CAPE-OPEN) is a free-of-charge CAPE-OPEN compliant steady-state simulation environment consisting of the following components: COFE - the CAPE-OPEN Flowsheet Environment is an intuitive graphical user interface to chemical flowsheeting. COFE has sequential solution algorithm using automatic tear streams.

COCO - the CAPE-OPEN to CAPE-OPEN simulator

The CAPE-OPEN Interface Standard consists of a series of specifications to expand the range of application of process simulation technologies. The CAPE-OPEN specifications define a set of software interfaces that allow plug and play inter-operability

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between a given Process Modelling Environment and a third-party Process Modelling Component.

[CAPE-OPEN Interface Standard - Wikipedia](#)

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A CAPE-OPEN COMPLIANT SIMULATION MODULE FOR
AN AMMONIA REACTOR UNIT V. L. Pérez1, A. O ...

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MEMSIC is a useful CAPE-OPEN compliant simulation software to simulate gas separation processes through a membrane module. This software has been

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developed at the Separation Processes Group (Laboratoire Réactions et Génie des Procédés, UMR CNRS 7274 – Nancy, France).

A CAPE-OPEN compliant simulation module

The adaptation of complex existing modules so that they meet the CAPE-OPEN (CO) standard is important in order to take advantage of previous work done for the simulation of processes. In this work...

Systematic generation of a CAPE-OPEN compliant simulation ...

CAPE-OPEN Unit Operation Socket – sequential modular Allows any CAPE-OPEN Unit to be used in an

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Aspen Plus Simulation; CAPE-OPEN Thermodynamics Socket Allows CAPE-OPEN Property Packages to be used to provide property calculations in Aspen Plus simulations. CAPE-OPEN Reactions Interfaces A partial implementation to allow Unit Operations to access Reaction schemes; Using CAPE-OPEN interfaces of Aspen Plus:

[Aspen Plus | the CAPE-OPEN Laboratories Network](#)

CO-LaN - the CAPE-OPEN Laboratories Network is a neutral industry and academic association promoting open interface standards in process simulation software. CO-LaN members are committed to making Computer Aided Process Engineering easier, faster

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and less expensive by achieving complete interoperability of compliant commercial CAPE software tools.

CAPE-OPEN - DWSIM - Chemical Process Simulator

The CAPE-OPEN Standard The standard defines rules and interfaces that allow CAPE (Computer-Aided Process Engineering) applications or components to interoperate. CO-LaN is the organization for the management of the CAPE-OPEN standard. CO-LaN also facilitate implementation of CAPE-OPEN interfaces through various software tools and services.

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the CAPE-OPEN Laboratories Network

CO-LaN - the CAPE-OPEN Laboratories Network is a neutral industry and academic association promoting open interface standards in process simulation software. CO-LaN members are committed to making Computer Aided Process Engineering easier, faster and less expensive by achieving complete interoperability of compliant commercial CAPE software tools.

COCO simulator - Wikipedia

Behind this exotic name is another free-of-charge process simulator, non-commercial, graphical, modular and CAPE-OPEN compliant simulator for

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steady-state and sequential simulation process modeling. It was originally intended as a test environment for CAPE-OPEN modeling tools but now provides a free chemical process simulation for students.

Review of open source process simulators - Simulate Live

Passing the test is not a guarantee for a complete and errorless implementation of all CAPE-OPEN functionality. The test aims at verifying functionality that is required and desired for decent functioning across many platforms; Testing is done on a non-commercial basis. Testing is currently free of charge.

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COCO - Compliancy testing programme

The Excel unit operation will function in CAPE-OPEN compliant simulation environments. It has been tested in the COCO simulator, SimSci ProII, AspenPlus, ProSimPlus 3 and other simulators. You will require a working installation of Microsoft Excel on your system. The Excel Unit Operation has been tested to work with Excel versions 2010 and higher.

Excel CAPE-OPEN Unit Operation - AmsterCHEM

The Matab unit operation will function in CAPE-OPEN compliant simulation environments that support version 1.1 thermodynamics or version 1.0

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thermodynamics. It has been tested in COCO simulator, SciSci ProII, AspenPlus, Honeywell Unisim Design and other simulators. Matlab version 7.7 or higher must be installed and running at your system.

Matlab CAPE-OPEN Unit Operation - AmsterCHEM

The advantages of an open standard for simulation components should be evident: as a CAPE-OPEN unit operation, detailed equipment models can be plugged into any other CAPE-OPEN compliant flowsheet simulator, thereby saving on development and maintenance overheads; the same thermodynamic model can be used in two or more simulation environments.

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Better Together - Features - The Chemical Engineer
Code (GitHub) DWSIM is an open source, CAPE-OPEN compliant chemical process simulator for Windows, Linux and macOS systems. Written in VB.NET and C#, DWSIM features a comprehensive set of unit operations, advanced thermodynamic models, support for reacting systems, petroleum characterization tools and a fully-featured graphical interface.

DWSIM - Open Source Process Simulator download ...
Simulate chemical operations in a CAPE-OPEN compliant virtual environment using flowsheets,

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property packages, unit operations, and more COCO is an application suite that integrates a simulation...

Download COCO 3.4

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COCO Simulator Alternatives and Similar Software ...

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