

Recent Advances at AspenTech with CAPE-OPEN models

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Use of CAPE-OPEN has become wide-spread in the process modeling world. The use of the term CAPE-OPEN has become significantly widespread in several different areas of process modeling.

For example, we have interfaces defined for reuse of unit operation models amongst different simulators, or for reusing thermodynamic property packages. Users could be using or authoring models, or they could be doing the same for thermodynamic systems.

Additionally work has also been done in terms of defining interfaces for solvers, petroleum properties and so on.

This paper presents an overview of the different CAPE-OPEN interfaces and the areas where Aspentech plays a key role in terms of providing implementations for supporting the interfaces.

Specifically, we will dive further into property systems and unit operation interfaces defined by CAPE-OPEN, and supported by AspenTech and gaps and recommendation for future advances.