MANCHESTER 1824
The University of Manchester

CmpEDIT enhancements

Please look in general enhancement for non-program specific enhancements

Version 2.9-160 (08/06/2026)

Version 2.9-145

- The property parameter names were not being updated correctly when changing property or stepping through the components. This has been corrected.

Version 2.9-142

- New Development environment libraries
- Restructure on-line help

Version 2.9-125

- An issue relating to model parameters not been read form the datafile has been resolved.

- Help on Peng-Robinson interaction parameters has been included

Version 2.9-117

- An issue relating to the HYSYS physical properties interface has been resolved. There is a problem in the HYSYS 8.4 OLE interface with consumes system memory for every access of the interface. This may result in unexpected program termination due to system resources becoming exhausted. This issue is not present on earlier version of HYSYS or UniSim/PetroSim
- An issue relation to the component name and formulae getting interchanged has been resolved
- An issue relation to importing component has been resolved
- An issue relation to the sorting of component has been resolved

Version 2.9-100

Version 2.9

- Diagnostic feedback information added to physical properties function to help identify converge issues.
- Issue relation to entropy calculations using Peng Robinson method have been resolved
- Issue relating to physical properties calculated Cv, Cp and Gamma and reconciling difference to HYSYS/Aspen

Version 2.8

- Issue relation to incorrectly reading component pure property information from the data file resolved
- An initiation issue cause problem when trying to generate the first component in the interface. This has been resolved

Version 2.1

- An issue relating to ideal vapour entropy only being correct for RRP method has been resolved. Has yet to be implemented for DIPPR method.

Version 2.0

- The user interface has been enhanced to allow component selection/sorted based on formula
- A component export facility has been implemented to allow CMP files to be generated from existing CMP data.
- Units conversion implemented.
- An issue with the stability of the bubble pressure routine has been resolved.
- Check added to critical properties editor to ensure valid data.

Version 1.8

- Surface tension now works correctly for super-critical mixers
- Data file format changed to "free format" style
- Import/merge function implemented

Version 1.7

Version 1.6

- Fugacities added to physical properties calculator
- A problem with using the HYSYS interface when it was in holding mode has been resolved
- Components can be sorted, by boiling point, name or identity number

Version 1.4

- The toolbar is user configurable