

Dynamic Process Modelling with ChemAppPy

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Equilibrium calculations are useful for indicating the most likely state for a process, for pre-determined amounts of feed materials in contact with each other for a long time. However, in many industrial processes, new material is continuously added, and products are removed from the system. To gain deeper insight into a process, and to devise a suitable operating philosophy, one must consider the impact that these changes have on process behaviour.

ChemAppPy allows one to explore processes dynamically, and to easily visualise process changes over time. In this presentation I will demonstrate how this tool can be used to study how the products from a smelting furnace are influenced by poor feed control.