

Development of Advanced Process Identification Package CIMPI for MPC

with SK Eng

● Motivation

One of core factors determining performance of modern advanced controller is the accuracy of dynamic model. To obtain a good dynamic model, a powerful process identification (PI) package is essential that enables process engineers to make a process dynamic model from operation data in the reliable and efficient manner.

● Goal

Develop a PI Package with powerful GUI for the model predictive controller.

● What we have done

- Develop the real time PI package **CIMPI** under Windows environment.
- CIMPI is used combining CIMPA domestic MPC package by SK Eng.
- CIMPI includes a powerful GUI based on MS Visual C++

