

Design Guides

E.I. du Pont de Nemours and Co.

More than 50 years of research and practice had gone into the 1,000-plus pages of DuPont's Chemical Process Design Standards. This massive four-volume reference became the basis for UTS's first entry into Web-based interactive knowledge-sharing applications, and it set a pattern for every such project that has followed.

DuPont engineers knew UTS because they had used TK Solver. TK Solver became an integral part of the computerized design standards: all the models were coded in TK and operated with inputs from the user. Many of the models incorporated lookups from a computerized version of the DIPPR Material Properties database. Of course, all TK models could be backsolved—solved forward, with data, or backward, with the numbers representing the desired solution.

There were also graphics—images, charts and tables—and cross references, all hyperlinked among themselves and to multi-layered tables of contents.

The interactive version of the Chemical Process Design Standards have been upgraded and refined over the years—in technology as well as content—and are still in continuous use, five years after their introduction.