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REX Suite version 2.7
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E-Mail: rex_info@optience.com
WWW: http://www.optience.com

This document summarizes important additions in REX Suite 2.7
Additions are documented since REX Suite 2.6

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1. New Features

The new Reaction Traffic charts allows you to graphically visualize the
reaction network. It also enables you to see the traffic of moles,
atoms or mass along the network pathways. Flexible options for
coloring, ranking and formatting the reaction network graphs are
provided.

The Units Configuration node now provides for automated units
conversion of the kinetic model and user-loaded data in the project.

In Estimation mode, a new technique for modifying weights based on
experimental atom balance error is provided. One method automatically
reduces the estimation weights by the same percentage as the atom error
for the selected variable, set and data-point. The other one allows you
to define the factor to be applied over a chosen range of atom balance
error.

Reaction equations are now enhanced to show directionality and
equilibrium specifications.

In Optimization mode, Constraints can be enforced at the completion of
reaction for compound moles, phase composition, conversion, yield and
selectivity.

Grids styles have been changed to improve visualization. Color in grids
that are for documentation purposes only is changed from pale orange to
gray in order to provide better differentiation. Furthermore, the
selected row in a grid is now highlighted with a background color
rather than changing the font type.

In the Estimation->Results node, the new Charts Tab allows you to see
the prediction errors (LSQ and weighted LSQ errors) in a pie chart.

In Compare Projects, you may compare weighted and unweighted LSQ errors
between selected projects.
To open the Compare Projects tool, please go to:
Start->Program Files->Optience Corporation->REX Suite->Compare Projects

In addition, you may also compare the reaction networks between the
projects.

The Options selected in the Results->Custom View node are now saved.

REX 2.7 can import REX files exported from REX 2.1 or newer. You may also restore REX databases exported from version REX 2.1 or newer.

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2. Changes and Bug fixes

In addition to the above, this version also includes improvements to the installation and minor bug fixes.