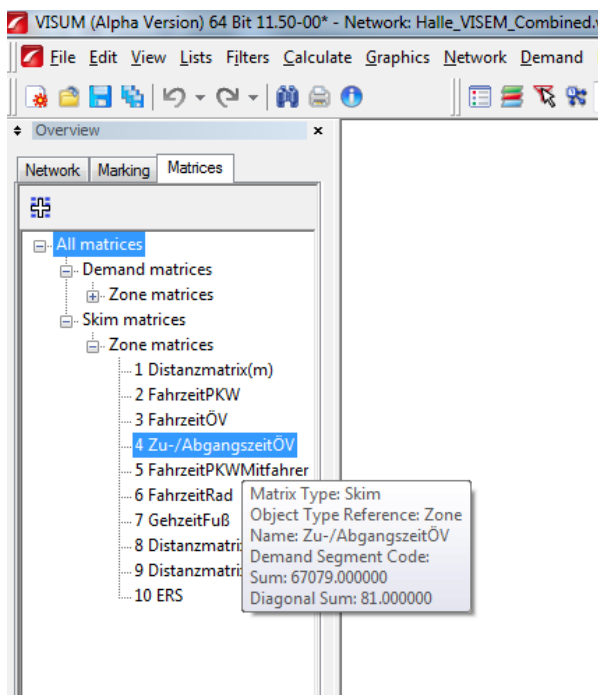


## Matrix Editor

One of the biggest improvements for demand modelers in VISUM 11.5 is the complete redesign and reimplemention of the matrix editor. The successor to MUULI is no longer a stand-alone executable started up from the same GUI as VISUM, but is fully embedded within VISUM. This generates many benefits.



You now have more direct access to all matrices from a new tab on the network objects panel. If you switch to this tab, you see all matrices in the current model in a tree structure which speeds up access to certain types of matrices (e.g. demand vs. skim matrices). Hovering over a tree item shows a tooltip with summary information about the matrix. Right-clicking the item brings up a context menu with many operations on the matrix, including opening it in the editor

In addition to the tabular view of the matrix there are two additional views: the class shares after classifying the matrix and a scatter plot of one matrix against another. Both are modeless, like the tabular view, so they can remain open during model calibration, and you can constantly keep the trip length

distribution within view, as you fine-tune the trip distribution parameters.

If the contents of the matrix changes externally e.g. after execution of a demand model stage (trip distribution, mode choice) or after a zone split / merge, the display in the editor will automatically update.

Both tabular and classified view can display multiple matrices side-by-side for a quick comparison. The table view can also be aggregated on the fly, either by the zone-mainzone relation or by grouping zones according to an arbitrary zone attribute.

The editor will provide a more powerful set of arithmetic operations on matrices.

The visual appearance (color, font, ...) of matrix cells can be configured flexibly, by using classifications similar to those in the network graphics parameters.

To give you a better feel of where you are in the matrix, the network view will be synchronized with the matrix view, i.e. clicking on a cell in the matrix table view will highlight the OD pair in the network view.