

Transform Demo

Transform is a 2D data visualisation package originally developed by Fortner Research and which now forms a component of Research Systems Inc's NOeSYS. The Demonstration version has a licence which permits free distribution under the conditions specified in the readme.txt file that accompanies the application.

Install the Transform demo by unzipping transformdemo.zip to a temporary folder and running Setup.exe.

Visualising AOK4WIN output data

First, post-process the AOK4WIN output data using AOKProcess.exe, also available from www.audiosignal.co.uk.

Start Transform, click on OK in the greeting screen and use File>Open to open the file containing the post-processed AOK4WIN data. The Import File Format dialog should now appear, identifying the input data as a Text Matrix. Click on OK. When the Text Matrix dialog appears, ensure that both the check boxes are unchecked and that the number of Header lines is set to zero. Click on OK. The data will now appear on screen as a two-dimensional matrix.

From the Image menu select Generate Image or, more usually, Interpolated Image to generate a TFR (time-frequency representation) in which frequency appears on the vertical axis (from zero to half the sampling rate of the original input file) and time on the horizontal axis, with amplitude represented as false colour. Transform offers a range of different colour schemes in the Colors Table menu – Rainbow and Hot Metal are the best options. You can increase the size of the TFR to fill more of the screen by selecting the fourth tool down in the toolbar and either dragging the graph handles or using the Tools>Image Size menu to alter the axis lengths.

Because this is a demo version of Transform you cannot save or copy the image but you can use Alt+Print Screen to perform a screen grab and then edit the grab, and save it to a bitmap or other image file, by pasting it into Paint or another bitmap editor.

Keith Howard
April 2003