Number Utilities

The **Script Manager** number utilities let you change the ways numbers are represented so they can be displayed in various international formats. A **canonical number format** is a private, internal format that specifies the number format in a way that is independent of region, language, and other multicultural considerations.

Converting to and From Canonical Number Formats

The **Str2Format** and **Format2Str** functions change format strings typed by users into a private, internal format and let applications change private, internal formats into localized format strings.

Str2Format   Converts a format string typed by users into a canonical number format

Format2Str   Allows programs to convert previously entered canonical number formats to a format string that depends on the localized version of the system software

Working With Formatted Numbers

The **FormatX2Str** and **FormatStr2X** functions change an internal floating-point representation of a number into a localized formatted numeric string and vice versa.

FormatX2Str   Converts an internal floating-point (SANE) representation of a number into a localized formatted numeric string

> **Note:** If you compile your application to use the 881 option, you need to convert 96-bit numbers to 80-bit numbers before they can be passed to **FormatX2Str**.

FormatStr2X   Converts a localized formatted numeric string into an internal floating-point representation of a number

> **Note: FormatStr2X** returns an 80-bit, not a 96-bit, representation.