

TrueEdit THE METAMORPHOSIS TABLE

Much of the sophisticated linguistic and layout capability of QuickDraw GX will happen automatically, fuelled by parameters which are implemented in a font's metamorphosis table. A font's features and the features' behaviors or settings are defined and described in this table. *Font features* are typographic and layout capabilities that can be selected or deselected by an application, and which control many aspects of glyph selection, ordering and positioning.

Font features include fundamental controls, such as whether or not contextual forms occur by default or at all, the details of appearance such as whether or not alternate initial forms of glyphs should occur at the beginnings or lines. To a large extent, the performance of a layout shape is a function of the number and kinds of font features implemented in a font.

There is no universally prescribed set of default font features; the architecture of font features is open-ended, and each font defines its own parameters. A standard set of features is described in general terms in the Font Feature Registry, a document maintained by Apple Computer, Inc. To obtain the latest version of the Feature Registry, or to add new features, contact Apple Computer, Inc. at this AppleLink address:

FONTREGISTRY

TrueEdit supports most of the feature settings architected by QuickDraw GX.

To Create an Metamorphosis Table

(Command-N) In TrueEdit's main window, create a new Metamorphosis table.

“List mort” Subtable

(Command-T) or (DOUBLE-CLICK) on the 'mort' table to open the “mort subtables” window.

This window will be empty except for two column headings: *Feature* and *Setting*.

Font features are groups into categories called feature types, within which individual feature selectors are used to define particular feature settings.

Feature types and feature selectors are defined and listed in the Feature Registry.

Add a text feature to the “mort Subtable”

(Command-A) Add a text feature to the mort table. A dialogue box will appear, featuring two shadowed buttons, labelled Feature and Setting. When you click on the Feature button, it opens to reveal all of the possible pre-defined features supported by TrueEdit. Scroll down to any entry and select one.

Every Feature will have its own selection of relevant settings. After choosing a Feature, click on the Settings button, and scroll down through the optional settings to choose the one you wish to add to the font. Click (OK) . The Feature and Setting will be added to the “mort Subtable.”

The font may have as many features as its glyph repertoire supports, and every feature may have more than one setting.

Adding Glyphs to a Feature Setting

(DOUBLE-CLICK) on a feature setting from the list in the “mort subtables” window, to open the subtable editing window. The editing subtable looks different, depending on which feature setting is selected, however, all the mort table editing windows scroll and resize, and use the Glyph Palette.

To add glyphs to the table, open the Glyph Palette (Command-L) and scroll through that window until you find the glyphs that should be added to the table. Drag the glyphs from the Glyph Palette into the feature setting subtable.

Features and Settings Supported by TrueEdit

Most of LineLayout’s metamorphosis features and settings are supported in TrueEdit. Following is a list of the ones available and currently implemented.

Ligatures	Required Ligatures Common Ligatures Rare Ligatures Logos Rebus Pictures Diphthong Ligatures
Cursive Connection Unconnected	Partially Connected
Letter Case	Upper & Lower Case All Caps All Lower Case Small Caps Initial Caps
Vertical Substitution	Substitute Vertical Forms
Number Spacing	Monospaced Numbers Proportional Numbers
Smart Swashes	Word Initial Swashes Word Final Swashes Line Initial Swashes

	Line Final Swashes Non-Final Swashes
Diacritics	Show Diacritics Hide Diacritics
Vertical Position	Superiors Inferiors Ordinals
Fractions	Vertical Fractions Diagonal Fractions
Overlapping Characters	Prevent Overlap
Typographic Extras	Hyphens to Em Dash Hyphen to En Dash Unslashed Zero
Mathematical Extras	Hyphen to Minus Asterisk to Multiply Slash to Divide Inequality Ligatures Exponents
Ornament Sets	No Ornaments Dingbats Pi Characters Fleurons Decorative Borders International Symbols Math Symbols
Character Alternatives	Alternative Sets <i>32 Sets are Supported</i>
Design Complexity	Design Level 1 Design Level 2 Design Level 3 Design Level 4 Design Level 5
Style Options	No Style Options Display Text Engraved Text Illuminated Caps Titling Caps Tall Caps
Charadter Shape	Tradtional Characters

Simplified Characters

Number Case

Lower Case Numbers
Upper Case Numbers

Metamorphosis Features Settings currently *not* supported in TrueEdit:

Linguistic Rearrangement

Typographic Extras

Unslashed Zero
Form Interrobang
Smart Quotes